

# SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 24th Year  
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## Wisconsin QSO Party Trophy Awarded to Kettle Moraine Radio Amateurs



On Saturday, July 11, 1993, Lynn Tamblyn, K9KR, the Wisconsin QSO Party Chairperson, presented the club competition First Place trophy to President Steve Robinson, WU9B, of the Kettle Moraine Radio Amateurs during the South Milwaukee Amateur Radio Club swapfest. Lynn shakes Steve's hand as six other club members witness the presentation. From left to right, they are: Bruce Herrick, WW1M; Rod Kleist, WB9AZH; Gary Sutcliffe, W9XT; Glen Rantala, WA1UJU; Ed Hellman, KC9BY (as part of the nineteen-operator effort which put the club on top) and Ken Secora, N9KS, the certificate winner in the Multi-Transmitter/Multi-Operator - Mobile category.

- Photo by Les Peterson/W9YCV

## Foundation for Amateur Radio Scholarship Winners Announced

### Awards Include Seven Given by Two Wisconsin Clubs

The Foundation for Amateur Radio, Inc. is pleased to announce the 1993 winners for the forty-nine scholarships which it administers, including these from Wisconsin clubs:

**WARAC MEMORIAL SCHOLARSHIPS**  
(West Allis Radio Amateur Club), \$1000.00 each:  
Timothy J. Czerwinka, WO9U, Chetek, WI  
Robert J. Goemans, N9HAD, Madison, WI  
Karen M. Schneider, N9SVA, Appleton, WI

**SOUTH MILWAUKEE AMATEUR RADIO CLUB SCHOLARSHIPS, \$500.00 each:**

Erin M. Cottrell, N9SVH, Appleton, WI  
Jeremy L. Haley, WG9T, Mendota, IL  
Jonathan H. Kolbrak, N9KBB, Chippewa Falls, WI  
Michael P. Ley, N9GQU, Menomonie, WI.

Please turn to  
"Scholarships Awarded" on page 8

## Amateur Radio License Fees are Rejected in Budget Reconciliation Act

### Special Ham Call Signs Move Closer to Reality

Several items of interest to radio amateurs are related to the just-passed Omnibus Budget Reconciliation Act (H.R. 2264), items shepherded through Washington by the ARRL's capitol team.

One draft version of the bill would have imposed an annual regulatory fee on every licensed ham in the U.S. Through efforts by the League's Washington representatives, the Act, minus the fee for Amateurs, was reported out of the Budget Reconciliation Conference Committee and passed by the House and Senate late last week.

In addition, the League also convinced the committee to accept provisions in the Emerging Telecommunications Technology Act requiring the "input" of Amateurs in future reallocation of radio spectrum that might affect Amateurs.

ARRL President George Wilson, III, W4OYI said that "The regulatory fee issue alone is a big victory, since it would have been an administrative nightmare and would have cost radio amateurs millions of dollars a year. But most important, at a time when ham radio is enjoying a resurgence among young people, a fee might have been a roadblock to that first license."

Amateurs also moved a step closer to being able to obtain specific call signs. The budget bill includes an ARRL-endorsed provision for the FCC to charge a special processing fee for "Amateur vanity call signs."

The conference also accepted, as proposed, language in the Senate's Emerging Telecommunications Technology Act requiring the Secretary of Commerce to seek to avoid excessive disruption of existing use of shared Federal/Amateur Radio frequencies.

Wilson credits the success to the efforts of hams in key legislative districts who wrote and called their Congressional delegations.

- ARRL Bulletin 88, 8/10/93

See "League Voices Concern Over Call sign Plan" on page 9.

### ON THE INSIDE

What's Happening .....	2
Wisconsin Nets Association .....	4
Here and There .....	5
The Computer Corner .....	6
Field Day Photo Finale .....	7
"Poor Man's Packet" Shown to Racine Group .....	8
Correspondence .....	8
Riverland Amateur Radio Club .....	10
Taylor County Area Amateur Radio Club .....	10
Sheboygan County Amateur Radio Club .....	11
Eau Claire Amateur Radio Club .....	11
Watts Snoo (Central Wisconsin Radio Amateurs) .....	11
Racine Megacycle Club .....	12
Yellow Thunder Amateur Radio Club .....	12
ManCoRad Radio Club .....	12
Northern Wisconsin Radio Club .....	12
FCC Call Sign Update .....	13
The Wisconsin Packeteer .....	14

### ELMER



By Rich Regent, K9GDF



# What's Happening

♦ **Swapfests and Other Social Events** ♦ **Club Meetings** ♦ **Amateur Radio Exam Schedules**

Edited by Kenneth A. Ebner, K9EN • 822 Wauona Trail • Portage, WI 53901

## Swapfests and Other Social Events

SUNDAY SEPTEMBER 12, 1993. Wisconsin Nets Association (WNA) Picnic. This year's picnic will be held at Derce Park, between Beaver Dam and Randolph, on county Highway CP off county highway G. Bring your grills. Come and have a good time. For more information inquire on one of the WNA nets.

SATURDAY & SUNDAY, SEPTEMBER 26 & 27. RADIO EXPO, Lake County, Fairgrounds, Grayslake, IL. Contact CFMC, PO Box 1532, Evanston, IL 60204.

SUNDAY, OCTOBER 10, 1993. Kettle Moraine Radio Amateurs at the Waukesha County Exposition Center, Waukesha, WI. Contact: KMRA Swapfest, PO Box 411 Waukesha, WI 53187-0411.

SUNDAY, OCTOBER 10, 1993. KMRA Swapfest, Waukesha, WI. Contact: KMRA Swapfest, PO Box 411, Waukesha, WI 53187-0411.

SATURDAY, NOVEMBER 6, 1993. 9th annual 6.91 Friendly Fest sponsored by the Milwaukee Repeater Club. 8:00 am to noon at St. John the Evangelist Congregation, 8500 W. Cold Spring Rd. Tickets: \$4.00 advance or \$5.00 at the door. Tables: \$4.00 for four foot tables and \$8.00 for eight foot tables. Contact: Milwaukee Repeater Club, PO Box 2123, Milwaukee, WI 53201.

SUNDAY, JANUARY 9, 1994. WARAC 22nd annual Midwinter Swapfest, Waukesha County Expo Center Forum, Waukesha, WI. Contact: WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201-1072.

SATURDAY, JULY 9, 1994. South Milwaukee Swapfest at Oak Creek, WI. Contact: SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235 ext. 58.

See also the back page and flyers ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

## Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

BADGER AMATEUR RADIO SOCIETY  
(W9YT - U. W. - MADISON)

Monthly while school in session - 2nd Wed. - 7:30 p.m. - B-314, Electrical Engineering Bldg.

CENTRAL WISCONSIN RADIO AMATEURS, LTD.  
(STEVENS POINT)

Second Wed..

EAU CLAIRE AMATEUR RADIO CLUB  
2nd Tue. - 7:30 p.m. - Parks and Recreation

Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)

First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

FOX CITIES AMATEUR RADIO CLUB

Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

GREATER MILWAUKEE DX ASSOCIATION

Fourth Mon. of the month at 7:30 p.m. Contact any GMDX member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

GREEN BAY MIKE AND KEY CLUB

Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB

Third Mon. - 7:30 p.m. - Green Lake Town Hall, int. of county hwy. K and N.

KETTLE MORAINES RADIO AMATEURS

Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

LAKESHORE RPT. ASSN.

Last Tue., Jan., Apr., July, & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

MADISON AREA REPEATER ASSN

The meeting schedule for 1991 is as follows: Nov. 11.

MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed.

General meeting: Second Wed.

Both meetings held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin ST., Manitowoc.

MENOMONEE FALLS AMATEUR RADIO CLUB

Last Tue. - Doors open 7:30 p.m., meeting begins 8:00 p.m. - Security Savings and Loan, Menomonee Falls. Amateurs and guests welcome.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. No meetings in July, August and December. Meetings begin at 7:00 pm.

NORTHERN WISCONSIN RADIO CLUB

4th Tue. - 7:30 p.m., Sept. through April. Peppermill Restaurant, Thunderbird Mall North, Menomonee, WI. Guests welcome.

NORTHWOODS ARC (RHINELANDER WI)

Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhinelander, WI. Talk-in on 146.93/.34. All interested visitors to the Northwoods are welcomed.

OZAUKEE RADIO CLUB

Second Wed. - 7:30 p.m. - Grafton Multipurpose Senior Center.

QCWA - WISCONSIN CHAPTER #55

Contact Erwin Froelich, W9RZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

## Badger State Smoke Signals

**Amateur Radio  
Education and Information**

**CHAIRMAN:** Kenneth A. Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

**EDITOR:** Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

**TREASURER:** Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

**CONTRIBUTING AUTHOR:** Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

### Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebner, K9EN.

### When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections should be sent to Ken Ebner.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebner.

Swapfest information should be sent to Ken Ebner. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

### Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

### Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

QOWA - SOUTHEAST WISCONSIN CHAPTER #162  
Meets third Mon. monthly, 7:30 p.m., Around  
the Clock Restaurant, 3012 Rapids Drive, Racine.

RACINE MEGACYCLE CLUB  
Second Mon., 7:30 p.m., Red Cross Bldg.,  
4521 Taylor Ave., Racine, WI

RIVERLAND AMATEUR RADIO CLUB  
First Tue. - 7:00 p.m. - Onalaska Community  
Center, Onalaska WI.

ROCK RIVER RADIO CLUB  
Monthly - first Tue. - 7:00 p.m. at Dodge  
County Sheriff's Department, 141 N. Main, Ju-  
neau, WI.  
ARES Net: 146.04/146.64 Mon.s at 7:30 p.m.  
Sat.s on 7277 KHz at 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB  
Second Tue. - 7:00 p.m. - Sheboygan Red  
Cross/Boy Scout Bldg., 2032 Erie Ave.

SOUTH MILWAUKEE AMATEUR RADIO CLUB  
First Wed. - Legion Post 434, Shepard Ave.,  
Oak Creek WI. Auctions in March and October.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC)  
MEDFORD  
Usually the 1st Thur. of the month at 7:00  
PM sharp. Usual location: emergency government  
meeting room/Red Cross office, basement of  
Sheriff's Annex to Taylor County Courthouse, 2nd  
and Ogden Sts., Medford, WI. Talk-in on 147.15  
(+600) repeater. Amateurs & guests are welcome.  
ARES Net, Wed. nights at 8:30 PM on 147.15  
(+600) repeater. For info contact: Mike Schoen-  
fuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405,  
phone (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB  
Meetings held at members homes. Usually  
monthly on Sunday afternoon. Contact: Glenn  
Eisenbrandt, (414) 563-6502 or John Saterlee,  
(414) 563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB  
Second Thursday, 7:30 p.m., Washington  
County Court House. Net on Thursdays at 7:30  
p.m. on 146.73.

WATERTOWN AMATEUR RADIO CLUB  
First Thur. of the month at 7:00 p.m., The  
Watertown Public Library, 100 S. Water St.,  
Watertown, WI.

WAUPACA AMATEUR RADIO CLUB  
First Sat. in March, June, September and  
December, at 9:30 a.m. at the Waupaca Fire Sta-  
tion in downtown Waupaca.  
"CQ First Tue." - A social gathering and  
dutch treat luncheon at the King's Table in  
King, WI, on Highway QQ just south of highways  
10 and 54 on the west side of Waupaca.

WEST ALLIS RADIO AMATEUR CLUB  
Second Tue. - 8:00 p.m. - St. Peters Epis-  
copal Church, 7929 Lincoln Ave. Entrance is at  
rear of building on alley.

WISCONSIN ASSOCIATION OF REPEATERS  
Meetings are held Quarterly, with time and  
location to be announced. Repeater licensees,  
trustees, and sponsors are urged to attend  
W.A.R. meetings. All interested parties are  
welcome, as well.

WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)  
First Tue. - 7:30 p.m. - Location varies;  
info on 146.04/64, Wausau.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)  
Days rotate: Scheduled meeting dates:  
Thu. Sep. 16, Tue. Oct. 12, Wed. Nov. 17,  
Thu. Dec. 12.  
All meetings, at the Baraboo Civic Center,  
Baraboo, WI. Meetings start 7:30 p.m.

Let Badger State Smoke Signals know your  
club's meeting dates, and we will let our read-  
ers know of your meetings and activities. There  
may be Amateurs in your area interested in  
joining your club, or members of other clubs  
interested in making an interclub visit.

# The Test Point



## Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where  
Amateur Radio license examinations are scheduled  
in the Badger State area.

September 4, 1993 Racine, WI  
September 11, 1993 Madison, WI  
September 11, 1993 Marshfield, WI  
September 11, 1993 Oak Creek, WI (SWAT)  
September 15, 1993 West Allis, WI (MRAC)  
September 18, 1993 Milwaukee, WI (BE)  
September 25, 1993 Wauwatosa, WI (MRAC)  
September 25, 1993 Tomahawk, WI  
October 2, 1993 Racine, WI  
October 9, 1993 Oak Creek, WI (SWAT)  
October 9, 1993 Madison, WI  
October 9, 1993 River Falls, WI  
October 10, 1994 Waukesha, WI (BE)  
(KMRA Swapfest)  
October 16, 1993 Milwaukee, WI (BE)  
October 20, 1993 West Allis, WI (MRAC)  
October 30, 1993 Wauwatosa, WI (MRAC)  
October 30, 1993 Tomahawk, WI  
November 6, 1993 Racine, WI  
November 6, 1993 Menomonie, WI  
November 7, 1993 Kaukauna, WI  
(Hamfest)  
November 13, 1993 Madison, WI  
November 13, 1993 Marshfield, WI  
November 13, 1993 Oak Creek, WI (SWAT)  
November 17, 1993 West Allis, WI (MRAC)  
November 20, 1993 Milwaukee, WI (BE)  
November 20, 1993 Dubuque, IA  
November 27, 1993 Wauwatosa, WI (MRAC)  
December 1, 1993 Racine, WI  
December 4, 1993 Stevens Point, WI  
December 11, 1993 Madison, WI  
December 11, 1993 River Falls, WI  
December 11, 1993 Oak Creek, WI (SWAT)  
December 15, 1993 West Allis, WI (MRAC)  
December 18, 1993 Milwaukee, WI (BE)  
January 9, 1994 Waukesha, WI  
(Midwinter Swapfest)  
January 15, 1994 Milwaukee, WI (BE)  
February 19, 1994 Milwaukee, WI (BE)

Monthly, 1st Sat. Racine, WI  
(except January, July & August)  
Monthly, 2nd Sat. Madison, WI  
Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC)  
Monthly, 3rd Wed. West Allis, WI (MRAC)  
Monthly, 3rd Sat. Loves Park, IL  
Monthly, Last Sat. Wauwatosa, WI (MRAC)  
(except December)  
Monthly, Last Sat. Tomahawk, WI  
(January thru October only)

Many Swapfests/Hamfests offer exam ses-  
sions. If not shown above contact the sponsor-  
ing club in the Swapfest column on page 2.

The FCC now requires applicants to show  
their ORIGINAL AMATEUR LICENSE to the VEC. A  
copy of your license must be attached to your  
FCC form 610. You will also be required to have  
a photo ID, or other acceptable identification.

### GENERAL RULES

#### FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event  
there are changes and/or errors in the dates or  
information given.

Most examinations require filing an FCC  
Form 610 and advance registration at least 30  
days before the exam date. (Some VECs permit  
walk-ins. Check with sponsor.)

To register, you must first secure a copy  
of the current FCC Form 610 and fill it out com-  
pletely (AND CORRECTLY). Get your form from an  
FCC Field Office, the ARRL or Badger State Smoke  
Signals. Send a 29¢ SASE if you request one  
from the ARRL or BSSS. In most cases, forms can  
also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for  
\$5.60 payable to "ARRL/VEC".

The FCC now requires applicants to show  
their ORIGINAL AMATEUR LICENSE or CSCE to the  
VEC. You must also have two good copies of your

license or CSCE. A copy of your license or CSCE  
must be attached to your FCC form 610 and most  
VEC want a copy for their records. You will also  
be required to have a photo ID, or other accept-  
able identification.

Technician class licensees must show proof  
of testing before March 21, 1987, in order to  
upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)  
OAK CREEK, WI (SWAT-MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwa-  
tosa Savings and Loan Branch, 6560 S. 27th St.,  
Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park  
Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30  
a.m. at Wauwatosa, WI.

For Additional Information Contact; Jack Krause,  
(414) 774-6999 or call (414) 466-HAMS (Answering  
Machine) or write MRAC, 1737 N. 116th St.,  
Wauwatosa, WI 53226.

Bring along your ORIGINAL license or CSCE  
and two (2) good quality photocopies, plus two  
forms of identification, such a driver's li-  
cense, etc. Also required are a pen and \$5.00  
(except Novice) for the exam fee. WALK-INS are  
welcome. To register in advance, use a post  
card: print the grade of license you are apply-  
ing for, and your name, address, and telephone  
number. Send the card to MRAC/VEC, c/o Jack  
Krause, W9JK, or Les Peterson, W9YCV at the  
addresses shown above.

### BADGER EXAMINERS (BE) - MILWAUKEE

September 18, October 10 (KMRA swapfest),  
October 16, November 20, December 18, 1993,  
January 15, and February 19, 1994.

### NOTE: CHANGE IN LOCATION.

Unless otherwise noted, examinations are  
administered beginning at 9:00 a.m. to Noon, at  
WMVS-TV studios, MATC Downtown campus in the C  
building. The address is 1036 N. 8th Street,  
Milwaukee. Walk-ins are welcome. To register in  
advance, send a post card with your name, test  
or tests you wish to take, date you wish to  
take., your call sign, address and telephone  
number to Badger Examiners, Gary J. Sharbuno,  
WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223.  
Telephone (414) 355-0237.

Also available now will be FCC General  
Radio Telephone Commercial exams. Fees are \$5.60  
for the Amateur Radio exams and \$35.00 for the  
commercial exams.

### MADISON, WI

VE exams are held in Madison every second  
Saturday morning (September through May) of the  
month at 8 a.m. They are held at the operations  
building of the Madison Metropolitan Sewerage  
District at 1610 Moorland Rd. To get there take  
the Beltline (Hwy 12 & 18) to South Towne Drive.  
Go south 8/10 mile till South Towne Drive makes  
a bend and becomes Moorland Rd. and enter at  
gate.

You should bring a picture ID, your origi-  
nal licence and a copy of your licence. For  
exams beyond the novice tests, bring a check for  
\$5.60, made out to the ARRL/VEC. If the special  
610 form with the medical exemption is required,  
contact me beforehand to obtain one. No appoint-  
ments are necessary to take exams. For further  
questions, please leave a message on the mailbox  
or phone me at (608) 832-6631.

Mark NZ9B

### MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS.  
Second Saturday every other month, at St. Joseph  
Hospital, School of Nursing entrance. Room 124.  
St. Joseph Ave., Marshfield, WI. Walk-ins Wel-  
come. Contact Walter Friant, WBOKIN, 2310 Wal-  
lonnie Dr., Marshfield, WI 54449. (715) 387-3870

### RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January,  
July, and August.

Monthly exams are given 9:00 to 11:00 a.m.  
at the Red Cross Building, 4521 Taylor Avenue,  
Racine. Walk-ins are permitted.

Inquiries and registrations should be  
(continued on page 15)

## Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

### Section Manager's Notes



Richard R. Regent, K9GDF  
5003 South 26th Street  
Milwaukee, WI 53221

Kettle Moraine RA Swapfest at Waukesha County Exposition Center, October 10.

Would you like to become an EC, AEC or OES? Please contact our SEC, WB9SMM in Milwaukee, for application and information.

Radio Recyclers store now located at 7730 West National Avenue in West Allis.

Exams: October 2 Racine, October 9 Oak Creek, Madison, Appleton and River Falls; October 10 Waukesha; October 20 West Allis; October 30 West Allis and Tomahawk.

W9BCV of Beaver Dam awarded 60-year QCWA certificate.

W9YCV has confirmed 51 grids on 70 centimeters and 155 on 2 meters for two VUCC awards and is on PACTOR.

New officers QCWA Chapter 55: pres. KN9P, v.p. W9LPF, treas. W9RZW, secy. W9OP. KA9JAC of Neenah has North American Callbook on CD-ROM on packet radio 144.97 and 145.65 MHz.

## Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3984	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

OZARES has 52 members and they have new ID cards.

WB9WHG is now on packet.

N9NLO of Waukesha is Radio Merit Badge Counselor, and his 14-year old son, N9PCC, is a Star Scout.

Sorry to report Silent Keys W9ZPV, N9KHE, W9ZBY and W9FYI.

Thought for the month: *A rolling stone gathers no moss, but it may stop rolling.* □

## Stateside DXCC Reps

By Richard R. Regent, K9GDF

5003 South 26th Street, Milwaukee, WI 53221

Three more DXCC Field Representatives in Wisconsin are now ready to help first-time DX Century Club applicants. The DXCC award is presented to those amateurs who submit QSL-card proof of working at least 100 different countries.

These new ARRL DXCC Field volunteers are avid DXers: Jerry Scherkenbach, N9AW of Cudahy, Ron Gorski, N9AU of Milwaukee and Richard Roll, W9TA of New Berlin. Their vast experience enables them to answer DX questions, check QSLs and handle the paperwork. To streamline the process, they recommend that applicants sort QSLs according to the instructions given on the DXCC Award Application form, basically to sort and list QSLs in a certain band and mode order.

There are DXCC categories for modes: mixed, phone, CW, RTTY and satellite; and bands: 160, 80, 40, 10, 6 and 2 meters. There is a first-time registration fee of \$10 for all amateurs, but one free update submission each year for League members. Let me know if you need the application form MCS-505.

Because there are over three hundred different countries, a list which seems to continually change, Reps aren't authorized to approve all countries. QSLs from certain Russian or rare countries must be sent to ARRL Headquarters for final determination and approval. Yet the help of DXCC Reps makes the chore quicker, safer and friendlier than sending all the QSLs to Headquarters.

Jerry says, "It's a pleasure to help first-time DXCC applicants who are having fun working DX, especially when they are using modest equipment and wire antennas." If you would like to know more about DXCC, please let these fellows know.

## League Asks FCC for More HF Data Autocontrol Privileges

The American Radio Relay League (ARRL) has asked the FCC to expand on a proposed rules change regarding data communications on the HF bands.

In comments to the FCC filed July 30, responding to a petition filed by the American Digital Radio Society (RM-8280), the ARRL asked that amateur stations under automatic control be allowed to operate outside the specific subbands proposed in an earlier ARRL proposal, RM-8218.

Under the new proposal, stations operating outside the subbands would be subject to three limitations: They must not be able to initiate transmissions, they must be able to respond only to interrogation by stations operated under local or remote control, and they must be limited to a bandwidth of 500 Hz.

In RM-8218, the League had opposed automatic control on HF bands except in specific subbands until a plan could be developed to minimize interference to users of other modes.

But the ARRL Board of Directors, at its July, 1993 meeting, considered a report by its committee on Amateur Radio digital communications, which suggested a way that semi-automatically controlled data communications could be accommodated outside of the restricted subbands. The Board agreed with the committee's recommendation.

All interested parties will have an opportunity to comment, if or when the FCC issues a Notice of Proposed Rule Making.

More information on RM-8218 is in August QST, page 73. More information on the Board's deliberations will appear in September QST.

- ARRL Bulletin 87, 8/6/93

## League Files Reply Comments in Message Content NPRM

The ARRL has filed reply comments continuing in general to support an FCC Notice of Proposed Rule Making to define the responsibility for the content of amateur messages relayed by the high speed networks, in PR Docket 93-85.

The League said that those parties who initially commented on the NPRM generally agreed that:

- (1) The originator and first store-and-forward station in a data message network are properly accountable for the content of a message,
- (2) That the originator of a message should in all cases be held responsible for the content of a message, with the first store-and-forwarder operator held responsible for either authentication of the source of the message or the screening of its content and,
- (3) That the definition of repeater in the NPRM is overly confining.

The League once again asked for the rules to include a better definition of first forwarder, and of repeater.

More information will appear in September QST.

- ARRL Bulletin 85, 8/6/93

## Comment Deadline Extended in RF Effects Guidelines Docket

The FCC has extended until November 13 the comment date on a proposal, in ET Docket 93-62, that the Commission adopt new guidelines for evaluating the environmental effects of radiofrequency radiation. The new guidelines would be those already adopted by the American National Standards Institute and the Institute of Electrical and Electronic Engineers.

The FCC said that a request for an extension of the deadline made by the National Association of Broadcasters had been supported by a number of other interested parties. The NAB said it asked for the extension in order to be able to complete a study to develop non-measurement-based techniques for complying with the FCC's proposed new RF exposure guidelines.

The NAB said that its study would benefit both the FCC and those whom the new guidelines would affect, by making it easier to evaluate compliance with the new guidelines, which the NAB said are significantly different from the old.

The original comment deadline was August 13.

- ARRL Bulletin 85, 8/6/93

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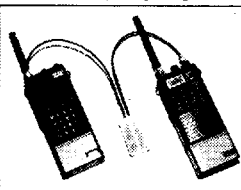
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## Six-Meter Repeater on Line in Hartford, Wisconsin

If you don't know where Hartford is, it is northwest of Milwaukee. The repeater is owned and operated by Joel Eschmann, K9MLD, and serves Washington, Fond du Lac, Dodge, Ozaukee, and Milwaukee counties. We are not a "big gun," but we have brought to the band a vehicle to allow us to grow more on six meters. The repeater is open, but transmits 103.5 PL for those who wish to decode. The repeater is on a WAR-coordinated frequency pair of 51.99 in and 52.99 out.

The repeater equipment is as follows: GE Master II 100-watt repeater, GE controller (very basic, but it works), IDeR is a basic CW machine with no frills, antenna is a Diamond 21-foot six-meter at 65 feet (1075 ft. AMSL), and the duplexer is a Sinclair 8-cavity, modified for 53 MHz.

All users are welcome. It sure is fun when the band opens!

- Joel Eschmann, K9MLD

## The Fun Net Livens Milwaukee Hams

The new Fun Net has amateurs talking, listening and chuckling. If you haven't heard the Fun Net on Milwaukee's 146.91 MHz repeater, give it a listen and maybe even join the chatter. Discussions include ideas, questions and questionable answers.

The Fun Net is held Saturdays at 9:00 p.m., lasts for about one hour and has 20 to 30 check-ins. But there might be many more amateurs and SWLs who are just listening.

Topics alternate weeks; one week might contain car repair, gardening, aviation, cooking and camping; other weeks have popular radio subjects such as Field Day, technology and rig repairs. Subject variety has evolved, perhaps due to the suggestion of N9NLO's XYL and other listeners, with a pleasant proportion of radio talk on the Fun Net. Now there are many fun topics and occasionally a hilarious viewpoint, so everyone can enjoy the weekly Net - at least every other Saturday.

The Amateur with the most questions usually is nominated by the first few on frequency as the Net Control Station (NCS), some others simply volunteer for the job. It is a directed net where newcomers can not only practice being NCS, but also get their questions directly answered. Give the Fun Net a listen and enjoy.

- Richard Regent, K9GDF

## A QSO Every 57 Years

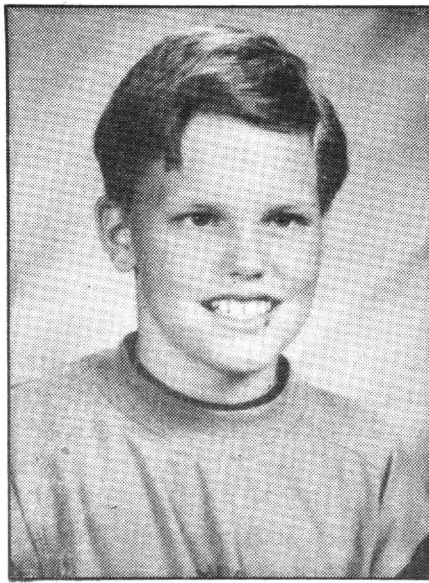
"It was a pleasant 20-meter QSO I had with W6AXH after 57 years," exclaims Lester Peterson, W9YCV, of Greenfield.

Back in 1936, two young applicants crossed over

## Menomonie Sixth-Grader, Radio Amateur, Named All-American Scholar

The United States Achievement Academy announced recently that Seth T. King, N9LHX, of Menomonie, has been named an All-American Scholar.

The USAA has established the All-American Scholar Award in order to offer deserved recognition to superior students who excel in the Academic disciplines. The All-American Scholars must earn a 3.3 or better grade point average. Seth's GPA is 4.0, and he ranks first in a class of 455 students. Scholars selected by a middle school instructor, counselor, or other qualified sponsor are accepted. These scholars are also eligible for other awards given by the USAA.



Seth T. King, N9LHX

Seth, who attends South Middle School, was nominated for this award by Mr. William Blanton, sixth grade teacher. Seth's name will appear in the All-American Scholar Directory, which is published nationally.

"Recognizing and supporting our youth is more important than ever before in American history. Certainly, winners of the All-American Scholar Awards should be congratulated and appreciated for their dedication to excellence and achievement," said Dr. George Stevens, Executive Director of the United States Achievement Academy.

Seth is the son of Thomas (WF9I) and Debra King.

the Mississippi River from Eau Claire, Wisconsin, into Saint Paul, Minnesota, to take their Amateur Radio license exams. They were Lester Peterson and Frank Stein. They both passed; Lester became W9YCV, and Frank was W9YCW, but they didn't keep in touch with each other.

Recently, Fergie, W9IEM, of Pine River, Wisconsin, heard Frank, ex-W9YCW, now W6AXH in Vista, California, on 20 meters, talking about Lester and the good old Wisconsin days. So, Fergie told Les of his discovery on the regular Wisconsin nets where he and Les often chat.

Surprised, Les immediately found W6AXH's address in the *Callbook*, wrote to Frank, and arranged for a 20-meter USB schedule on July 17, 1993. Band conditions were great, and the on-the-air reunion was exciting. Les had kept a photo of Frank in his old-timer's radio album, and placed it in view during the QSO. They exchanged recent photos and QSLs, and plan to have regular schedules the last Saturday of each month to catch up on activities.

Frank, now 76 years old, thought they had met only about 47 years ago when he visited Les in Eau

## Special Event Station

**WARRENS, WISCONSIN:** The Monroe County Amateur Radio Club will operate special event station **KA9ETH** to commemorate the 21st annual Warren's Cranberry Festival. Operation will be September 25 from 1400 to 2200Z and September 26 from 1400 to 1900Z. Frequencies: 14.270, 21.370, and 28.370 MHz. For a certificate, send a QSL card and a 9 x 12-inch SASE to Marshall Kiel, N9FVU, P.O. Box 344, Tomah, WI 54660.

Claire. But Les is fairly certain it was when they took their exams 57 years ago. That's what makes life so interesting. Now, they can reminisce about a lifetime of memories.

- Rich Regent, K9GDF

## Local, State Law Relief

The FCC has granted, in part, a motion by the ARRL for a declaratory ruling asking the Commission to preempt certain state statutes and local ordinances affecting transceivers used by amateurs.

The laws addressed (in PR Docket 91-36) prohibit the possession of such transceivers if they are capable of receiving on certain frequencies other than amateur bands.

The ARRL said that amateur transceivers typically allow for incidental reception of frequencies adjacent to amateur bands in order to ensure adequate performance within the amateur bands. The League also said that amateurs have special needs for out-of-band reception, a fact the marketplace has long has recognized by offering transceivers to accommodate those needs.

The FCC said that state and local laws that make possession of amateur transceivers in vehicles or elsewhere illegal merely because they can receive certain frequencies, the reception of which is not precluded by federal law, are preempted by federal law. The Commission said that such local and state laws are inconsistent with the federal laws that promote and facilitate Amateur Radio.

The Commission's action was August 20 and released August 25.

- ARRL Bulletin 94, 8/25/93

## FCC fines WA4D

Michael E. Whatley, WA4D, has been hit with an FCC Notice of Monetary Forfeiture for 2,000 dollar(s). The Commission denied a request from Whatley that it reconsider the Notice of Apparent Liability it issued to him in November, 1992.

Whatley was accused of willful and malicious interference based on FCC monitoring on 7257 and 7258 kHz in late 1992. According to the FCC, Whatley asked the FCC's Field Operations Bureau for copies of recordings of the transmissions in question and also requested a 30 day extension of time in which to respond to the NAL.

The FOB said it granted Whatley the extension and provided him with both the tape and a transcript of it.

Whatley then argued that other amateur operators were interfering with his transmissions, that the

Please turn to page 9



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8309



# The Computer Corner

By Stan Kaplan, WB9RQR  
11541 North Laguna Drive  
Mequon, WI 53092-3119

In this third article, we will consider which floppy disks can be safely interchanged, and which can not.

Many people think that they can format a cheaper, 360k floppy in a 1.2M drive, with no problems. Many times it will actually work, perhaps with a few bad sectors on the disk, but so what? Doing this is flirting with danger - you are likely to lose the data on the disk. Why? Because the data is recorded at twice the recommended density, the magnetic domains in one area will begin to "bleed" over into other areas, especially so because the 360k floppy is actually more sensitive to magnetic fields. The disk will eventually begin to erase itself. Weeks, months, or maybe even longer, but it WILL happen. Furthermore, because you write data at 600 oersted, the disk may be permanently damaged. How can you remove this recording? With a 360k format? Nope. It is likely that the 360k drive (300 oersted) will not be able to overwrite the image that was written at 600 oersted. The message? Don't format 360k disks to 1.2M when you get that new high density drive. Break down and buy some 1.2M

disks!

What about the other way around? If you put a 1.2M disk in a 360k drive and format it to 360k, it should work, right? Wrong. Remember, 1.2M disks are "high coercivity" disks - it takes a lot of magnetic "coercing" to write data to their magnetic domains. They are simply not very sensitive to magnetic fields, as was pointed out in the last article. The 360k drive writes at only 300 oersteds, not at 600, which is required by the 1.2M floppy media. So, even if you are able to do it, the chance is the data will not read correctly, and even if it does, it won't be there very long. A day, a week, a month... sometime, the data is going to disappear. So, forget it. Use high density disks when you want to write 1.2M of data, and low density disks when you want to write 360k. Don't flirt with danger.

Well then, that puts us in a quandary. Most new computers come with a single 1.2M drive, or a 1.2M and a 1.4M 3-1/2 inch drive. How do you put a program on a floppy to give it to a friend with an XT that has only 360k drives? It can be safely done. Here is the trick.

Put a BRAND NEW, PREVIOUSLY UNFORMATTED 360k disk in your 1.2M drive, and format it using the command that tells DOS to put a 360k format on it:

**FORMAT A:/u /f:360** (This is an MS-DOS Version 5 command.)

You can then put all the data you want on this disk - programs or whatever, and your friend will be able to read it perfectly in his 360k drive.

Assuming there is nothing wrong with your drive or his, it is guaranteed to work every time.

However, this will probably NOT WORK if the 360k floppy has been previously formatted in a 360k drive! If it has, your friend is likely to get that darned ABORT, RETRY, IGNORE error message when he tried to read the floppy. My gosh, why should it work with a new disk, and not an old one?

Remember the last article? When a 360k drive formats a 360k disk, it writes a track that is about twice the width of a track written in a 1.2M drive. If you reformat that disk in a 1.2M drive, the high density head cannot completely overwrite the track written in the 360k drive. Some of the old tracks remain, including the data that was on them. The read head is confused by this extraneous data, and error messages pop up on your friend's screen. So, prepare your 360k floppies in your 1.2M drive with care, using only brand new disks, and it will work every time. Use old disks, and you flirt with danger.

There IS one way to use old 360k disks. Completely demagnetize them with a bulk eraser, a degaussing tool, or pass a very powerful permanent magnet over them on both sides in a pattern which thoroughly covers the surface several times. This effectively wipes the disk clean, magnetically. After this treatment, the disk is very much like a brand new one and you can safely format it to 360k in your 1.2M drive. By the way, when you do this, the DOS command above causes your 1.2M drive to changed to reduced write current - it formats the floppy using 300 oersteds instead of 600. That is another reason why trying to format a 1.2M floppy to 360k in a 1.2M drive is bound to fail.

There is less problem when working with 3-1/2 inch drives. Both the 1.4M and 720k formats have the same track width (0.115mm) and spacing (80 tracks per side), so several potential problems are obviated. The 1.4M drive can perfectly emulate the 720k drive. However, the floppies still come in a "high coercivity" (low sensitivity) and "low coercivity" (high sensitivity) form. Fortunately, most 3-1/2 inch drives have a media sensor built-in. They sense high density disks, either mechanically or through optoelectronics - by shining a light through the extra hole found in the high density disks. If you try to format a 720k floppy to 1.4M, the sensor can tell you have the wrong type of disk in the drive, and it aborts with an error message.

Some folks think they can save money by drilling or punching an extra hole in a 720k floppy, thus fooling the sensor. You now know that is NOT a good idea, because the media on the floppy really is different in a 720k and 1.4M floppy.

The final message is clear; use a floppy at its intended density - never try to beat the system. □

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ron Yokes, W9BCK, Editor). □

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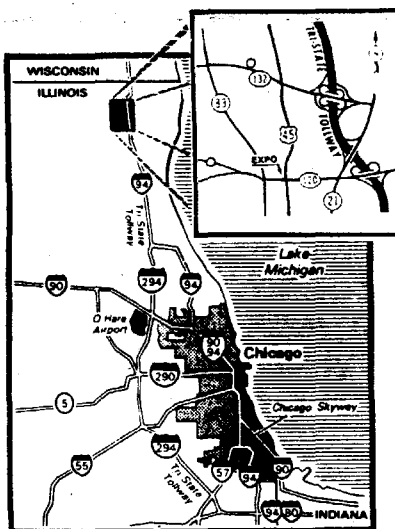
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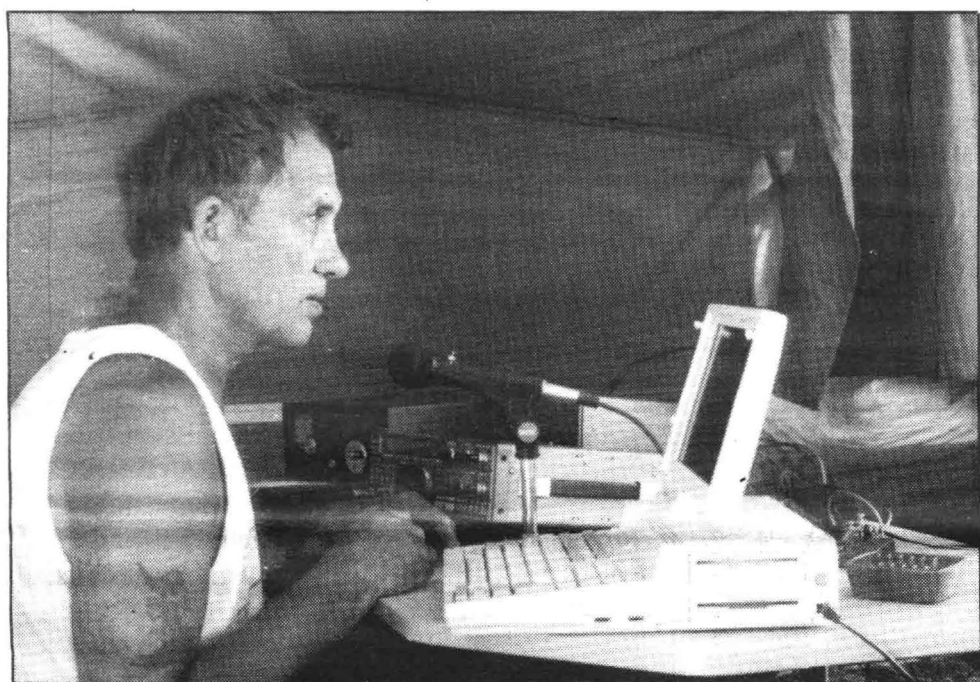


Field Day 1993

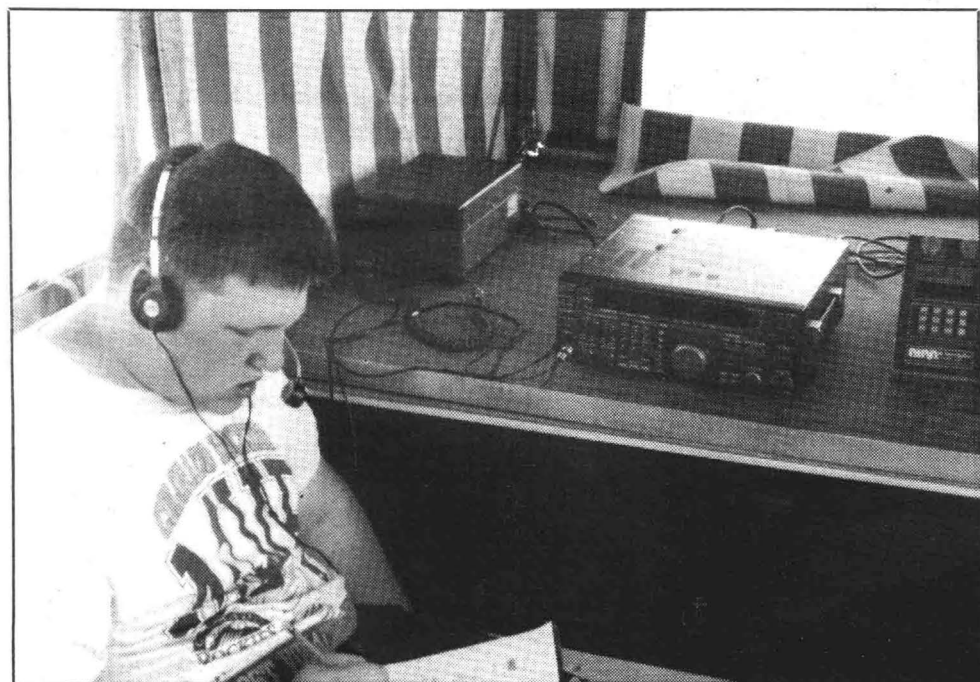
## West Allis Radio Amateur Radio Club



Mike Bauer, NS9J, feeds the coax into the trailer for the 80/15/10 meter SSB/CW station operating as W9FK in the West Allis Radio Amateur Club Field Day effort.



Ralph Tramm, WT9P, pursues contacts on 40 meter SSB for W9FK, the West Allis Radio Amateur Club Field Day station.

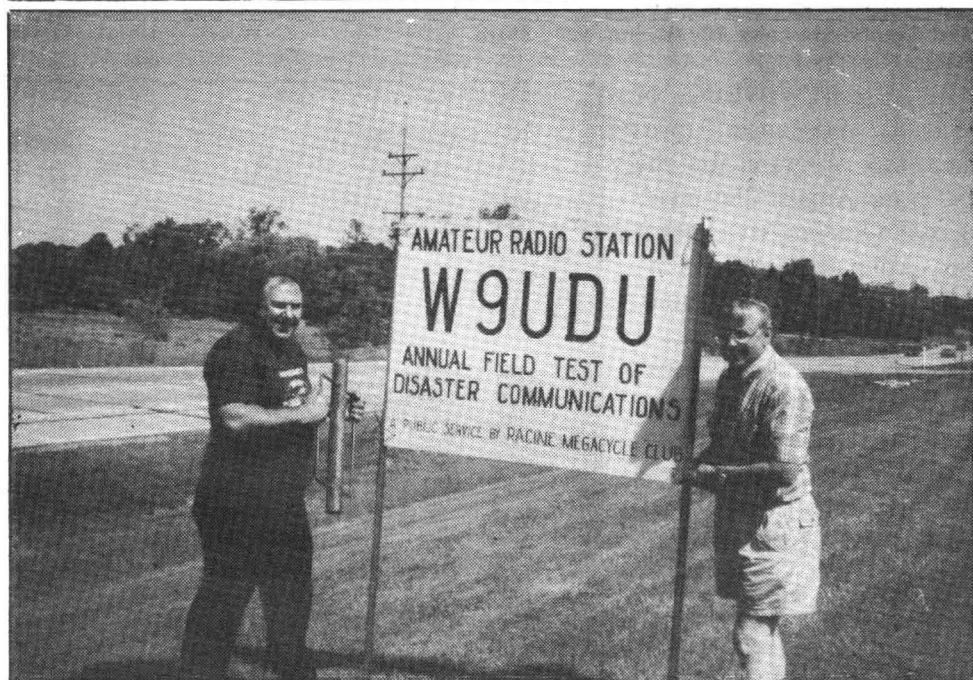


Kenny Giesfeldt, KB9AUI, operates the Novice Station for the West Allis Radio Amateur Club Field Day effort.

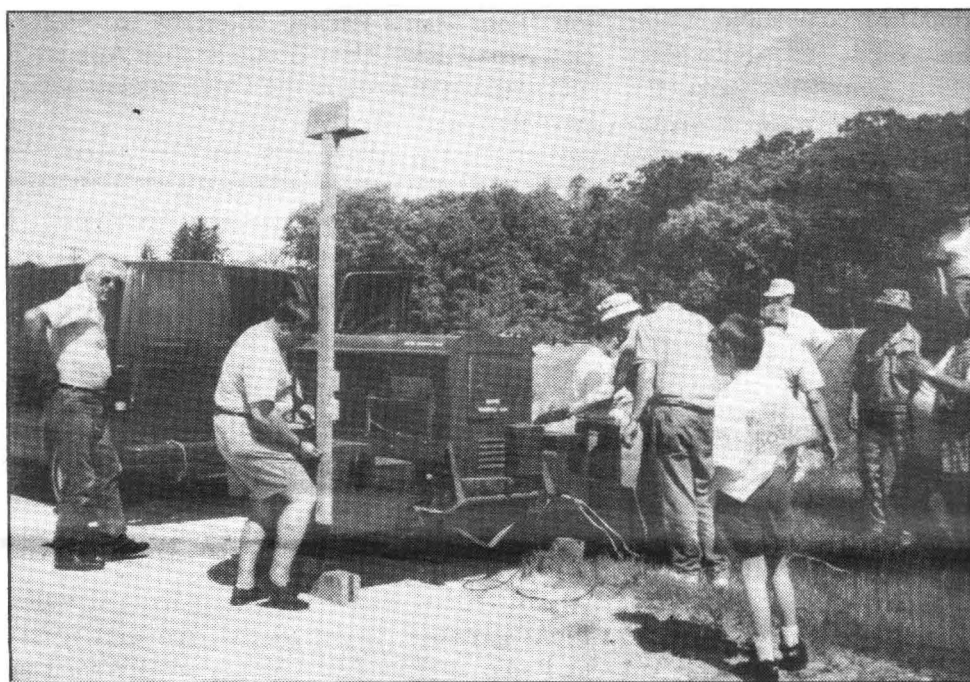
The West Allis Radio Amateur Club participated in the A.R.R.L. Field Day activities in the 2A category. Under the guidance of Phil Gural, W9NAW, and Mike Bauer, NS9J, two HF stations, a Novice station and a VHF/UHF station were set up on the Crystal Ridge Ski Hill location in Franklin, WI. They were ably assisted by Ralph Tramm, WT9P; Phil Noftz, N9FEW; Roger Giesfeldt, WB9JWT; Kenny Giesfeldt, KB9AUI; Mike Povlich, WB9HGS, and several others. All stations were in camping trailers, and were powered by the club's two

Field Day 1993

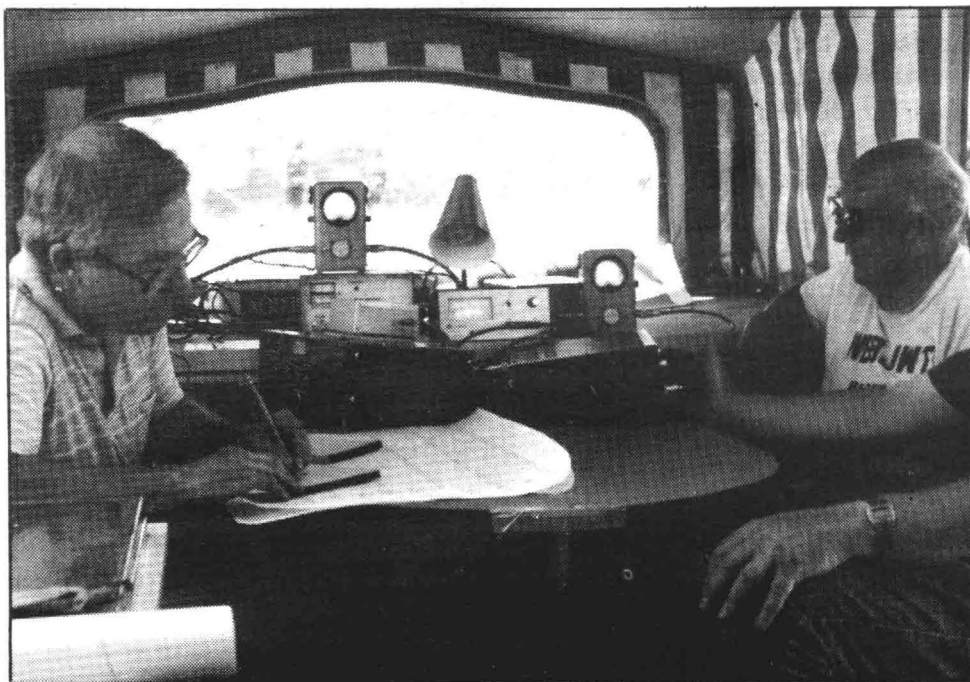
## Racine Megacycle Club



TELLING THE STORY: Dave Voss, WB9USI (left), and Arne Moxness, KA9ZPY, "plant" a sign at the Racine Megacycle Club's Field Day site to tell the public what is happening.



LET THERE BE LIGHT: Jim, KB9CCY, Field Day Chairman (left) and Gary, N9MJH, mount a light pole at the generator as others look on.



Phil Gural, W9NAW (left), makes contacts on 6 meter SSB while Roger Giesfeldt, WB9JWT, monitors 2 meter SSB.

- Photos by Les Peterson/W9YCV

power units. Several visitors came to see the operation including the Wisconsin ARRL Section Manager, Richard Regent, K9GDF.

Although band conditions and the final score were not impressive, the group had lots of fun and enjoyed lovely weather for the weekend.

- Les Peterson, W9YCV  
Greenfield, WI

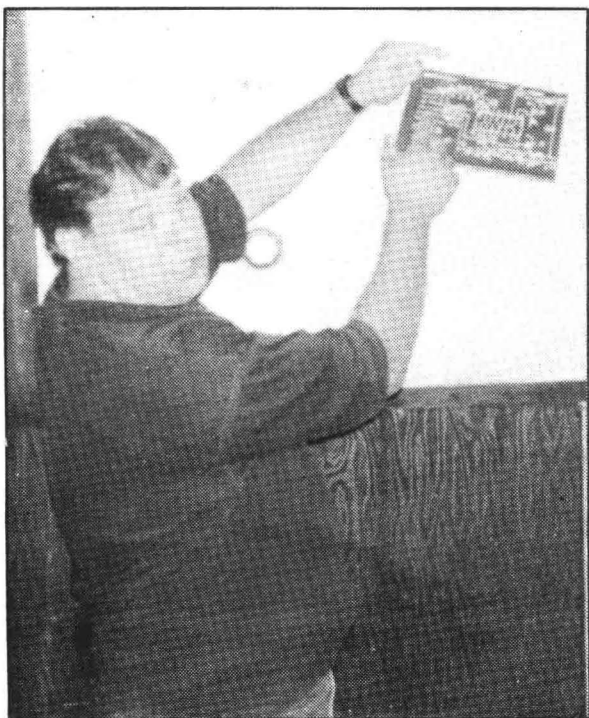
**Badger State Smoke Signals is produced every month by volunteer radio amateurs. Every new Amateur Radio operator in Wisconsin gets a free sample copy. You are invited to subscribe, whether a new ham or a "long-timer." Please use the form on page 5!**



## Racine Area Packet User Group Enjoys Demo of "Poor Man's Packet"

By Bob Jensen, W0WLN  
5616 Cambridge Lane #6, Racine, WI 53406

Bill Kresl, WB9BBC, of Delavan, Wisconsin, provided the program for the 7:30 p.m. August 2nd meeting of the Racine Area Packet User Group at the Around the Clock Restaurant in Racine. The 21 Amateur Radio packet users or prospective packeteers who attended were treated to an excellent presentation of "Poor Man's Packet". Bill explained construction and use of the inexpensive interface for the popular mode of operation, and provided handouts of schematics, documentation, and operating hints, and also gave attendees printed circuit boards he had made. The interface, or variations of it, can be used with IBM compatible, Commodore 64, and Apple Mac-Intosh computers, and the required software is available, much of it as shareware.



Bill Kresl, WB9BBC, shows the schematic of the "Poor Man's Packet" interface to the Racine Area Packet User Group at their August 2 meeting at the Around the Clock Restaurant in Racine.



An interested crowd watches as Bill Kresl, WB9BBC, demonstrates his packet radio setup at the Racine Area Packet Users Group on August 2.

- Photos courtesy of Bob Jensen, W0WLN

Bill demonstrated his own home-built system with some help from Gary Cobus, KB5OEK, from Wildwood, Illinois, who provided a lap-top computer with a very bright and highly visible screen. The meeting program was arranged by Dave Voss, WB9USI, and Bruce Zabler, K9RRS, of Racine. The group meets the first Monday of each month at the restaurant.

All who attended were impressed by the demonstration, and expressed their gratitude to Bill for his willingness to travel to Racine and to supply helpful material to prospective builders. The system Bill demonstrated worked very well with his hand-held transceiver and rubber duck antenna, connecting with several local packet stations. Bill also publishes a "PMP" newsletter, giving ongoing information about the system.

## Scholarships Awarded

Continued from front page

An \$800.00 QCWA Memorial Scholarship was awarded to Steven D. Kraft, KE9RW, of Menomonee. Steve also won a scholarship from the ARRL Foundation, as published in the August issue of *Badger State Smoke Signals*.

FAR-administered scholarships were open to all radio amateurs meeting the qualifications and residence requirements of the various sponsors.

The Foundation for Amateur Radio is a non-profit organization, incorporated in the District of Columbia, representing more than fifty clubs in Maryland, the District of Columbia, and Northern Virginia. It is devoted exclusively to the scientific, literary, and education pursuits that advance the purposes of the Amateur Radio Service.

Announcement of the FAR 1994 awards will appear in the March or April issues of the major Amateur Radio publications and radio club newsletters. *Badger State Smoke Signals* will publish the announcement.

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College Park, MD 20740

## STOLEN GEAR

Recently, someone broke into my car and stole two radios from me. It was reported to the police. My insurance didn't cover it. If anyone sees them, please let me know. Here's what was stolen:

1. An ALINCO DR-510T dual band mobile. It has a Kenwood mike on it and its serial number is 0001377.
2. An ATLAS 180M HF mobile rig that covers 160-20 meters. It has a Western Radio mike on it, and its serial number is TM 1750.

If you see one (or both) of these, please contact either me (Mark Jenks, N29B) at (608) 832-6631 (call collect), or the Dane County (WI) Sheriff's Department at (608) 255-2345. (Ask for Det. O'Neil).

(BSSS editor's note: Be watchful at upcoming swapfests for this equipment. If you spot it, be discrete and call police at once.)

## Correspondence

...from our readers



To the editor:

Being a long time reader of BSSS, I wanted to make you aware of what I feel is an outstanding accomplishment.

An individual with whom I am acquainted, Dave Sachs, AA9GF, went from no license to Extra in nine weeks. What I mean is that he started studying, and *nine weeks* later, he passed his Extra code and written!!

Being an electrical and computer engineer, it may not be so amazing that Dave passed the written so quickly, but how about 20 WPM in nine weeks!!

If you have ever performed any task with Dave, you would find that once he puts his mind to something, he never gives up. I think this accomplishment proves that!

Dave lives in Seymour, and I believe he is also a BSSS subscriber.

Dave learned the code so quickly with the help of WJ0C, Jim, of Waterloo, Iowa, who worked with Dave daily on 80 meters to build his code speed. Dave talks about Jim's help frequently.

Dave is a member of the Fox Cities Amateur Radio Club.

- W9BZ

Editor's note: This lines in this letter were crowded very close together at the bottom, and we are not sure we have the call sign of the writer correct. The name was harder still to read, and so it has been omitted.



**SSB**  
SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: Am moving and cannot take the following with me. Kenwood TS-830S transceiver, \$550.00. SB-221 amplifier, \$525.00. Dentron DTR-3KA antenna tuner, \$160.00. The next items are a package deal and will be sold as a "you take it down" deal: 1 - three-element triband beam (10, 15, and 20 meters), CDR rotor with controller, four sections of Spaulding self-supporting tower, and all connecting cables. Antenna/tower package price: \$200.00. Harry Westlund, K9EHJ, 720 Jefferson Street, Baraboo, WI 53913. Phone (608) 356-6836. Evening calls are best. Replies also OK by packet to K9EHJ @ WD9ESU.#SCWI.USA.NOAM.

## SAREX Flight STS-58 Slated for September Launch

The third SAREX flight of 1993 is scheduled for lift-off September 10 aboard the Space Shuttle Columbia for a 13-day mission. Crew members include Pilot Richard A. Searfoss, whose amateur license is pending; Mission Specialist William S. McArthur, Jr., KC5ACR; and Payload Specialist Martin J. Fettman, KC5AXA.

Amateur Radio frequencies for the mission are: voice downlink (worldwide) 145.55 MHz; voice uplink 144.91, 144.93, 144.95, 144.97, 144.99 MHz; voice uplink (Europe only) +144.70, 144.75, 144.80 MHz; and packet uplink: 144.49 MHz.

15 schools are scheduled to participate, in Arkansas, Texas, Ohio, Missouri, Arizona, Tennessee, New Hampshire, Kentucky, Colorado, North Carolina, Indiana, and France.

Further information is available from the ARRL Educational Activities Department (225 Main Street, Newington, CT 06111), and updates will be available on W1AW as the launch date nears.

- The ARRL Letter, 8/11/93

## Advertising Sales Representative Needed

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

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## League Voices Concern Over Call Sign Plan

The American Radio Relay League (ARRL), in a news release the week of August 11, said that "a three-year effort to resume the issuance of Amateur Radio and military recreation station call signs may be in jeopardy."

"This situation has tended to demoralize newer clubs," said ARRL President George S. Wilson, W4OYL. "They've have had no opportunity to establish a permanent, on-the-air identity."

No new club or military recreation station call signs have been issued since 1977.

The ARRL began its latest effort to persuade the FCC to resume club licensing in 1990, when it offered to assume the administrative burden of processing club applications at no cost to either the applicants or the government. When it appeared that the FCC needed special legislative authority to approve such a plan, the League sought and obtained the necessary legislation.

On July 26, 1993, when the FCC invited applications from qualified organizations to serve as call sign administrators, the ARRL submitted an application demonstrating its qualifications as well as its ability and desire to implement the new program immediately.

"Unfortunately," said David Sumner, ARRL Executive Vice President, "applications from four other less qualified entities have already delayed, and could even jeopardize, the program."

To serve as call sign administrator, an organization must, among other things, that it is tax exempt under Section 501(c)(3) of the Internal Revenue Code of 1986 and exists for the purpose of furthering the amateur service; that its membership includes at least one percent of the amateur operators licensed by the FCC (presently more than 614,000); that it will accept and process applications without regard to race, sex, religion, national origin or membership (or lack thereof) in any amateur service organization; and that it will provide the FCC with a plan for processing applications for modified or renewed club licenses in the event the organization ceases to function as an administrator.

"The ARRL has demonstrated that it meets all of these criteria," Sumner said. "Four other entities have filed applications that appear to be defective in one or more respects."

On August 5, the ARRL filed its opposition to the requests of the other four entities to serve as call sign administrators, citing the shortcomings in their submissions, and reminding the Commission that there is no requirement that more than one administrator be named - nor is there any advantage to be gained from doing so. "This has nothing to do with the merits of the other organizations, particularly those who do good work in other fields of Amateur Radio," Wilson said. "It's simply that there is no need for more than one club and military recreation call sign administrator, and nothing but confusion to be gained from having more than one. It's not at all clear why these other groups jumped on board at the last minute of a three-year effort."

"The ARRL originated and developed the idea. We guided it through Congress. We're ready to make it work, and are uniquely qualified to do so."

"All we need is the go-ahead from the FCC. The sooner we get it, the sooner clubs will be able to put new call signs to good use."

The other groups who have applied to be call sign administrators are the W5YI-VEC, Inc., the National Amateur Radio Association, the Quarter Century Wireless Association, and the Southeastern Repeater Association.

- The ARRL Letter, 8/11/93

## Another Amateur Bill in Congress

Through ARRL efforts, a bill has been introduced in the U.S. House of Representatives, H.R. 2623, that would amend the Communications Act of 1934 to facilitate utilization of volunteer resources on behalf of the Amateur Radio Service.

The League, in seeking the legislation, said that many amateurs are reluctant to participate in volunteer programs such as the Amateur Auxiliary of the FCC's Field Operations Bureau, the Volunteer Examiner program, and the yet-to-be implemented volunteer and military recreation station call sign administration program.

The League said that volunteer monitors face the prospect of being accused of bias or other motives, and that volunteer examiners may fear being blamed by an examinee for failure to pass a test.

The legislation is needed, the League believes, to eliminate an obstacle to volunteer participation in these programs, as well as to prevent civil actions against good-faith volunteers.

The act is referred to as the Amateur Radio

## Effective Date for New 97.113 Rules

September 12, 1993 is the effective date for new rules in Section 97.113 concerning prohibited transmissions. This is action taken on PR Docket 92-136, the Report and Order adopted by the FCC on July 15, 1993.

See September QST for details.

- ARRL Bulletin 89, 8/18/93

Volunteer Services Act of 1993. The legislation was introduced by Congressmen Jim Slattery (D-KS). Initial co-sponsors were Reps. Dan Glickman (D-KS), Dennis Hastert (R-IL), Mike Kreidler (D-WA), Berine Sanders (I-VT), Jolene Unsoeld (D-WA), and Peter Deutsch (D-FL).

- ARRL Bulletin 90, 8/20/93

## Vero Beach, Florida Ham Fined for QRM

### "Raincoat Charlie" Vowed on the Air the FCC Would Never Find Him. They Did.

The Federal Communications Commission (FCC) has fined William P. Irwin, K3CQR, \$2,000. The Commission's Vero Beach, Florida office said Irwin, 51, of De Barry, Florida, was found causing willful and malicious interference on or near 14.313 MHz over a period of months.

Irwin, a General Class licensee, was issued a Notice of Apparent Liability for \$2,000. He was found and identified by the FCC on July 23, 1993, while he was operating from his residence, the FCC said in a release. The FCC inspected Irwin's station



the next day. Irwin had identified himself on the air as "Raincoat Charlie," and had vowed on the air that the Commission would never find him, the FCC said.

Robert McKinney, engineer-in-charge at the FCC's Vero Beach office, said some amateurs, it seems, have lost sight of the concepts "good amateur practice" and "enhance international good will" embodied in the purpose of the service. Mr. Irwin's sole purpose for being on the air appeared to many to be to harass and ridicule other amateurs in a particularly vulgar way.

It is widely known, McKinney said, that budget restraints limit the Commission's enforcement efforts, but blatant, repeated violations such as these will not be tolerated or go unpunished.

McKinney also said, however, that it should be pointed out that a considerable number of concerned amateurs cooperated in the investigation. We appreciate the efforts of these amateurs as a community willing to take responsibility for being self-policing.

- ARRL Bulletin 84, 8/6/93

## Here and There (from page 5)

transcripts are incomplete (not reflecting all communications which were recorded on tape), and that the parties to other communications on the band ignored his attempt to "compromise."

On August 20, the FCC announced the monetary forfeiture order, the FOB saying "We have reviewed the record and affirm our initial findings."

The FCC said it was not persuaded by Whatley's arguments, and "further, Mr. Whatley's actions and

communications indicate hostility towards the net members on 7255 kHz that were communicating, and do not support his claim that he intended to be conciliatory."

Although the base forfeiture amount for malicious interference is 7,000, dollar(s) the FCC set the fine against Whatley at 2,000 dollar(s) because he is an individual and has no record of prior violations.

Whatley has 30 days to pay the fine.

- ARRL Bulletin 91, 8/25/93

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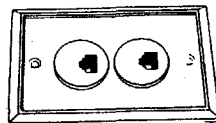
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# Clubs and Organizations



## Riverland Amateur Radio Club

Dick Low, K0JYB,  
Secretary

Club mail address: P.O. Box 621  
Onalaska, WI 54650



### MEETING MINUTES AUGUST 3, 1993

The August meeting of the Riverland Amateur Radio Club was called to order by President Bob, N9LZK, at 7:00 p.m. There were 34 people in attendance. Visitors were Greg Stetzer, Kriss Reese, Dale Kinstler, Mark Smick - Call Pending (now a new member), Mark Spanagel and Matt Summers, son of Dean, KQ0C.

The minutes of the July meeting were read by Secretary Dick, K0JYB. Feroz, WU9N, requested that the July 1993 minutes show that the discussion reflected opposing opinions regarding the Sunday night News line.

The Treasurer's report was given by Duane, W9HWQ, and accepted as read.

### COMMITTEE REPORTS

SWAPFEST: Judy, N9LGV, reported nothing new since last month's report. She will need help at the door in selling admission tickets.

AMATEUR RADIO WEEKEND: Feroz, WU9N, reported that he had a meeting with the Mayor of La Crosse and things are looking good. Kent, W9LZQ, reported that there will be another meeting of the committee next month, and more help is needed. If you have equipment that you would like to demonstrate or have demonstrated, anything from old radios to crystal sets or the most modern equipment, the committee would be happy to have it, as they are trying to run the gamut with a wide variety on display.

JOINT PICNIC: Feroz, WU9N, again reminded us of the Joint Winona-La Crosse area picnic to be held at Perrot State Park on Saturday, August 21st. Four grills are needed. N0PDD, of Winona, has been announcing the Picnic in Winona.

Bring your own meat and coffee. Kent, W9LZQ, and Feroz will bring the corn.

### OLD BUSINESS

440 REPEATER: Kent, W9LZQ, and the committee are still looking for donations. The next first aid kits will be pure profit. Kent announced that a drawing for a world map will be held after the meeting and the profits will be donated to the repeater fund. The map was donated by Scott, KA9FOX.

### NEW BUSINESS

REMOTE RECEIVER: Van, WA9FIO is looking for a square foot of real estate for the remote receiver. The choicest place would be at the old WHLA transmitter site on the Jostad farm, which is our Field Day site. This receiver will fit on a four by four inch post, a completely isolated box not being powered (it works with springs and gears HI HI). It will work with a scavenged solar charger. It will require no maintenance, electricity, heat or anything. The site will be a trial location for a month or two, and other sites can be tried. W9BI, Jim, will talk to Mr. Jostad regarding using the site. Other sites were discussed and the sites must be line of sight as the unit has a one watt output at 220 Mhz.

FCC RULE CHANGES: Scott, KA9FOX, read a paragraph regarding the proposed rule changes regarding ordering food, making appointments and so forth. It was proposed that we have to establish our own guide lines for the repeater.

Meeting adjourned at 7:40 p.m.

Gary, NI9V, gave a very interesting presentation regarding Bio Medical Electronics.

*Submitted by Secretary Dick, K0JYB*

## Taylor County Area Amateur Radio Club

Bernard Jari, KA9WDX, Secretary

W3159 Hanley Lane • Medford, WI 54451-9689

### MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, September 2 at 7 p.m. in the Emergency Government meeting room/Red Cross office, located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Streets, Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz).

### EXCERPTS FROM MINUTES OF AUGUST 5, 1993 MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ, N9GEN, WA9YCT, WD9FWP, W9QHI, and N9FZD.

Minutes of last month's meeting were not read in the absence of Secretary KA9WDX. There was no treasurer's report, as Treasurer N9QVX was not present.

The club's 2-meter repeater was discussed. The shed at the base of the tower, in which the repeater is housed, is leaning badly. W9QHI will follow up on this with Northcentral Technical College. N9GHZ reported that the new transmitter has not yet arrived. He will follow up on it with a phone call to see when it can be expected to be shipped out. N9GHZ reported that he had mailed out the new autopatch user documents and access codes.

The high SWR readings obtained at the repeater site back in February were discussed. N9GHZ spoke with the 2-way radio service company, and they would like us to have a new antenna on hand before they climb the tower to check on the feedline, connector, and antenna, in

case they find the present one defective and in need of being replaced. They want to do everything in one trip up the tower. However, it is unsure that the antenna is actually the problem. N9GHZ will check with some ham radio equipment dealers on their policies for the return of an unused antenna. N9GHZ and WA9YCT will also visit the repeater site and put a dummy load on the repeater and duplexer outputs and take some readings.

The possibility of holding a VE exam session in Medford this fall was discussed. N9GHZ was directed to check with potential examinees to see if there is enough interest to have an exam session this fall, and he will report back at the September club meeting. A potential date of 10/23/93 was discussed.

Meeting adjourned at 7:43 p.m.

*Respectfully submitted:  
Mike Schoenfuss, N9GHZ,  
Acting Secretary*

### KEY TO CALLSIGNS FOUND IN MEETING MINUTES

#### Callsign, Name, and Community

N9FZD, Lee Markow, Medford  
N9GEN, Tom Hrdina, Medford  
N9GHZ, Mike Schoenfuss, Abbotsford  
W9QHI, Ray Bohnert, Medford  
WA9YCT, Cliff Steevens, Medford  
WD9FWP, Ernie Mehner, Dorchester

### 1993 TCAARC OFFICERS

Tom Hrdina, N9GEN, President  
Bob Braun, KB9BLV, Vice-President  
Bernie Jari, KA9WDX, Secretary  
Joanne Lundgren, N9QVX, Treasurer



## Clark and Taylor County Area Amateur Radio News

### CONGRATULATIONS TO....

★ Dean Young, KA9SMQ, of Colby, who was named to the dean's list at the University of Wisconsin - LaCrosse for the second semester of the 1992-93 academic year. Qualifications for the dean's list are based on outstanding academic achievement. Dean is a senior, majoring in physical education-fitness. He is the son of Louis Young, KA9UXN, Colby, and his brother Scott, also of Colby, is N9FZS.

## Clark/Taylor County Amateur Radio Emergency Service (ARES) News

*By N9GHZ,  
ARES Emergency Coordinator*

Don't forget to try to check into the weekly ARES net, held Wednesdays at 8:30 p.m. on the Medford repeater (147.15 +600 offset). If the repeater is down or not functioning properly, alternate frequencies, in order, are: (1) Sheldon repeater, 145.47 (-600 offset), (2) 147.15 MHz simplex, and (3) 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

### 1993 FIELD DAY REPORT (SUPPLEMENT)

(Note: This information, which was part of my last month's submission to BSSS, was omitted from being printed in the August, 1993 issue. My apologies to KA9WDX for this omission.)

At this time, I would like to give special recognition to a few individuals who I feel best deserve extra effort to

ensure the success of our Field Day operations this year:

✓ KA9WDX, who showed up about 10 a.m. on Saturday, and stayed throughout the entire operating period right through until we finished taking everything down around 1 p.m. on Sunday. Without Bernie's efforts, we would not have had any Field Day this year.

### OPERATORS NEEDED

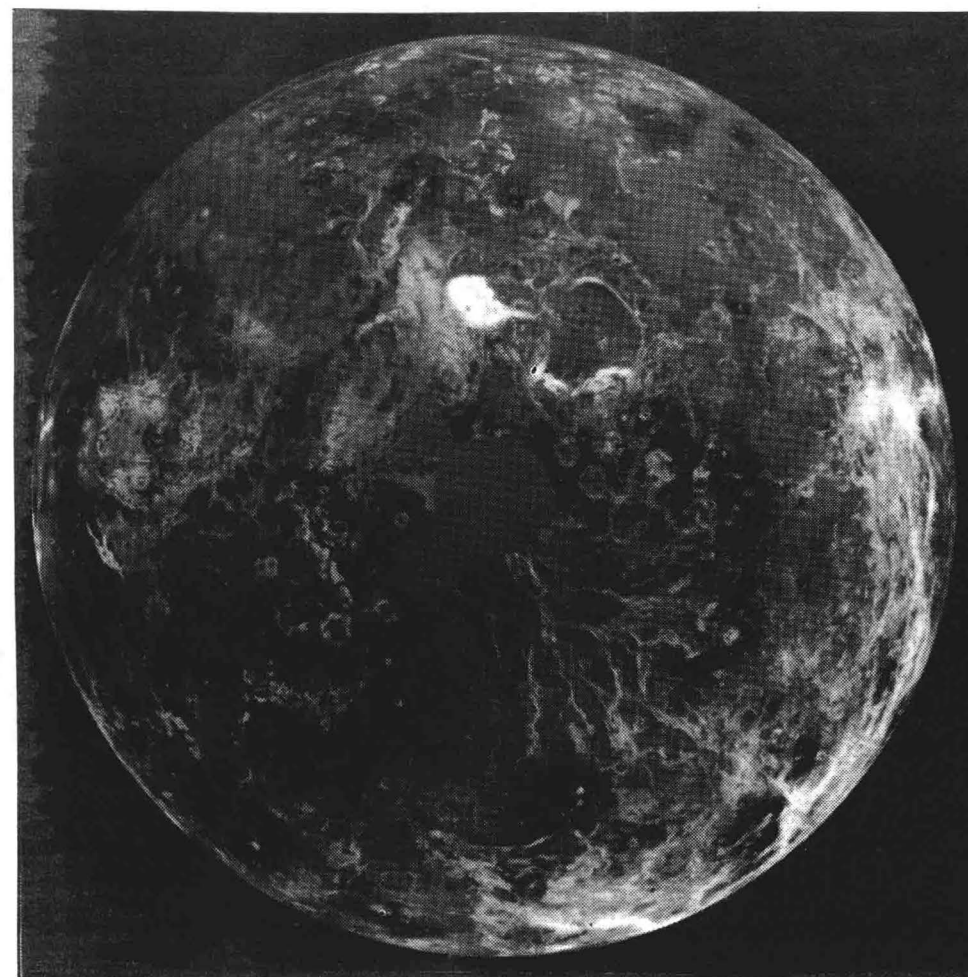
A request has been received to provide communications for the annual "Walk to the Highground" walkathon. It will be held on Saturday, September 11th, beginning at the Marshfield National Guard armory and ending at the Highground Wisconsin Veterans Memorial Park just west of Neillsville. The total length of the route is approximately 30 miles, and it follows CTH H west out of Marshfield to Clark County Hwy. G, then south to The Highground. The walkers start out at 5:30 a.m., and the walkathon should be completed by approximately 5:30 p.m.

Mobile operators are needed along the route, both those who can provide their own vehicles and others who would ride along in vehicles used by the walkathon organizers. One operator will also be needed to man the 2-meter rig at the Clark County Sheriff's Department in Neillsville.

Any Clark or Taylor County area ham radio operators who would like to assist, either for the whole day or for just a part of it, should contact me (N9GHZ) ASAP. Try contacting me on the Medford repeater (147.15 +600 offset), on 146.52 MHz simplex, or call me at (715) 223-3996. If I don't happen to be around when you call, please leave a message with your name and the hours you will be available for. I will then send you some route maps and additional information.

*Continued on page 11*

## With Cheese and Sausage, Please



This NASA mosaic photo of Venus, looking a lot like a pizza, was taken in 1991 by the Magellan spacecraft. The mosaic was not quite complete; there are a few areas that had not yet been covered by the cloud-piercing radar mapping camera. Conditions on our planetary neighbor between Mercury and Earth are hellish: it is definitely not a "nice place to visit" for humans.



# Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

## MEETING MINUTES AUGUST 10, 1993

The August 10, 1993 meeting of the Sheboygan County Amateur Radio Club was called to order at 7:00 p.m. by club President Penny Ten Pas, N9TCF.

All members and guests, 14 attendees, were asked to wear their name tags which were made through the crafty skills of Al, NF9R.

Penny, N9TCF, presented the "Swap, Question, Suggestion Card Box", to be kept at the club entrance. People are asked to fill out card and deposit it in the box. Cards will be read before we break for the evening's program.

The secretary read the minutes of the last meeting. An addition was made to report that the "FLAT TUBE" had been awarded to Steve Meifert, KF9KZ, for his exceptional contribution to the club by arranging for the equipment and reserving the sight for the 1993 Field Day. Congratulations, Steve. The minutes were approved as amended.

The treasurer's report was read and approved. All present were asked if their *Badger State Smoke Signals* were being received.

Volunteers were solicited for control operator of the next month's 2 meter net, held every Monday evening at 7:00 p.m. local time on 147.060+ (PL 107.2 Hz).

## COMMITTEE REPORTS

**Technical Committee:** Lyle, WE9R, will be searching parts at future swap meets for the parts needed to put together a remote receiver. Lyle is planning on donating the receiver to the club.

## OLD BUSINESS

A. Super Week Bike Criterion, July 22. Thanks to those amateurs that provided communications during the bike race. Also, thank you to Mr. Meifert (KF9KZ's father) for making the club banner displayed during the race.

B. Holland Fest Parade. Thanks to those amateurs that helped organize the parade participants and provided communications. A special thanks to the volunteers who built the float, and a great big thanks to Chris's, N9TCJ, father for constructing the wind mill for the float.

C. Heart Bypass Ride, August 28, a.m. Volunteers are still needed. Contact Penny, N9TCF.

D. Brat Fry at Woodlake Market, August 29, a.m. and p.m. Volunteers are still needed. Contact Penny, N9TCF.

E. Please collect and bring in "We Care" receipts.

F. The ARRL Special Service Club Affiliation was sent in. Please inform

Penny, N9TCF, if you are or plan to become a member of the Amateur Radio Relay League.

G. Fox Hunt, August 14, 1:00 - 3:00 p.m. The lairmasters are Penny, N9TCF and Dave, KB9GHE.

H. Official Notice - VE Session September 11, 1993, 9:00 a.m., Red Cross Building, 2032 Erie Ave., Sheboygan, WI. NO WALK-INS, register in advance, contact: Tom Hetzel AA9BJ, 1658 S. 26th St., Sheboygan, WI 53081, phone 458-2307.

I. Planning for a Special Event prior to Field Day. Possibly setting up camp and running a station in May or June. Please submit ideas soon so notice can be made to QST before December, 1993.

J. If anyone is interested in ordering a club jacket, contact Luis, KA9HUF.

K. Nominations for the "Flat Tube Award" should be made in writing.

## NEW BUSINESS

A. Upcoming meeting programs:

September 14, Satellite Communications.

October 12, DX Packet Cluster.

November 9, Video on DX.

December 14, Christmas meeting.

B. Discussion, motion, second and vote was taken to purchase introduction to Amateur Radio books which will be provided for class instruction. The motion was unanimously approved. The next class session has yet to be determined. If anyone is willing to volunteer for the "Elmer Program" please contact either Tom, AA9BJ, or Penny, N9TCF.

C. It was agreed that 2m net checkins may indicate items for sale, but no discussion will be allowed. If you know anybody in the school system, please inquire whether there may be any interest in HAM radio and check into the possibility of using class rooms for radio instruction.

D. Harold, WB9VSK, needs help repairing his antenna. Contact Al, NF9R, of the technical committee if you can help.

E. Raffle tickets will be sold for equipment donated by club members to raise money. Please donate those items you really don't use any longer and probably will not set up a table at a swap fest to sell.

F. The City of Sheboygan offered a thank you for the communication provided during the Independence Day Parade.

G. Refreshments during the club meetings are needed and should be arranged through Penny, N9TCF.

Meeting adjourned at 7:45 p.m.

73, Gregg Meschler, N9PZV, Secretary

# Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

## MEETING MINUTES AUGUST 10, 1993

The meeting was called to order by Vice-President Kevin Zehr (N9OHE) at 1938 local time.

The minutes of the previous meeting were read by Secretary Jim Fitzl (N9LIJ) and approved.

Sue Edie (KB9EUP) read the treasurer's report, which was approved by the club.

There was a general introduction of members and guests.

## OLD BUSINESS

The recent club hamfest was discussed, and numerous suggestions made for next year's event. Mike Ceraso (N9JMA) thanked all who helped out at this year's hamfest. Some of the topics discussed: table procurement for future hamfests; fitting of table tops with some sort of protection against scratching; making sure the correct information gets into the flyers; ticket and table prices for future hamfests; how to encourage more commercial exhibitors in the future; better promotion for future events (Kenny Dicks, KE9CS, generously offered to help in this regard); date for next year's event; better security and record-keeping.

N9JMA made a motion to send a gift certificate to a local maintenance man who helped with loading tables.

Carol Ceraso (N9TUA) mentioned that a check register was turned in at the hamfest. There was no name on it, but we believe it was left at the Radio City booth, and that it was from Valley Bank.

Equipment loss: A radio and TNC took a hit and was severely damaged. This is covered by insurance, but Bill Jablonske (W9NNS) asked that the club approve paying the repair cost until the insurance comes through. Bob Knutson (W9BUG) moved that the club do this, Charlie Betz (N0AKC) seconded, and the motion was carried.

W9NNS mentioned the ARRL instructional package for license preparation. This is apparently a one-day preparation program. This was mentioned by N9JMA at last month's meeting. N9RSU made the motion for the club to purchase this program. W9ZZI seconded, and the motion was carried. N9JMA will pick it up.

## NEW BUSINESS

KA9ELD repeater: Some members would like one repeater for more experimentation, linking, and so forth. It is proposed to use the 147.24/.84 machine for this purpose. This machine would be more unpredictable as to down time, servicing, etc. It will also require a new trustee more open to this sort of experimentation with the repeater. We have a candidate for trustee, WD9HFT, Gale Sorum.

An extended discussion of this matter followed. The .24 machine was chosen for

this proposal because it covers a smaller area and will not subject the main 146.91/.31 machine to the vagaries of experimentation.

Leroy Dick (N9RSU) made a motion to proceed along these lines. Further discussion centered around the space availability at the site for the equipment and potential interference to/from other radio equipment at the site. There was a unanimous vote to recommend to the club directors that the trustee for the 147.24/.84 repeater be changed. It was emphasized that this action in no way reflects upon the current trustee. It is just intended to be a change in the way the repeater will be used. N9JMA suggested a steering committee be formed to handle the change.

Superlink: W9BUG asked about linking. We have a letter from Superlink asking for our participation. Superlink will require 440 MHz duplex installation here. This would require our club to invest in a Superlink controller, 440 MHz linking equipment, and some investment in the midway link between us and the Twin Cities. The goal is to link Minneapolis to Milwaukee. W9NNS handed out info sheets on Superlink for the club's consideration. Bert Spangler (W9ZZI) will try to arrange for a representative of Superlink to come and address the club on the matter. This recommendation was acted upon positively, and he will try for the October meeting. In response to a question from Terry Kortness (N9QXG), joining up with Superlink apparently would not preclude other future linking arrangements.

We will be provided cards for the linking codes for Holcomb, Hayward, Duluth, Tomahawk, and others will probably be part of this in the future. This is not the Superlink system.

Fred Harison (KC9NN) mentioned that Harry Jensen (W9FYI) had passed away recently. The club sent a plant to the funeral home. This will also necessitate looking for someone to take his place in arranging for the Christmas party location.

New radio for the K9UXP repeater: W9NNS has a complete 100 watt repeater which the club can obtain for a reasonable price. W9ZZI suggested that we ask the technical committee about this and get their feelings, differences in this repeater from the one which they recommend in their previous report, etc. K9UXP said that we should be able to sell the current machine to help defray the cost, also. The trustee and the technicians are to look into the various equipment available and make a recommendation at the last meeting.

K9UXP - Thanks to N9JMA for computerizing hamfest data.

KB9EUP - We finally received title for the club trailer.

The next meeting will be at the District 6 State Patrol Headquarters on September 14 at 1930 local time.

The meeting was adjourned at 2121 local time.

Respectfully submitted:  
J. Brennan Fitzl (N9LIJ), Secretary

## Participating Clubs:

When you send your material to Badger State Smoke Signals for publication, please send it to Jim Romelfanger, K9ZZ, 412½ Ash Street, Baraboo, WI 53913. Please DO NOT send it anywhere else; it may be delayed or even lost. There are two exceptions: The Wisconsin Packeteer (Wisconsin Amateur Packet Radio Association) and Yellow Thunder Amateur Radio Club, which are processed by Ken Ebnetter, K9EN, 822 Wauona Trail, Portage, WI. Also, if possible, please send material in ASCII on disk (MS-DOS) with hard copy. 5-1/4" or 3-1/2" formats are fine. Your cooperation is appreciated.

Clark/Taylor County  
Amateur Radio Emergency  
Service News

By N9GHZ,  
ARES Emergency Coordinator

Continued from page 10

If you don't know until the last minute if you can make it or not, simply show up at the Marshfield armory on that day and call me on either the Marshfield repeater (147.18 +600 offset) or on 146.55 MHz simplex.

We will be using either one or possibly both of these frequencies for communications, depending, in part, on the condition (i.e., range) of the Marshfield repeater as of the date of the walkathon. □

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point

# WATTS SNOO



WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 847 • Plover, WI 54467

## AUGUST 1993 REPORT

There was no regular meeting of CWRA during August. Instead, we planned a Sunday afternoon cookout on August 8 at the gracious riverside estate of Bob Baird, W9NN.

The next regular meeting will be back on the second Wednesday as usual, on September 15, 1993, at 7:30 p.m. local time, in room A107 of the UWSP Science Building.

This will be an election meeting, so be sure to let us know if you are interested

in placing your name somewhere on the ballot.

Also coming up in the near future: Novice/Technician license classes start Wednesday, September 29, 1993, and will go through December 1. The next examination session in Stevens Point will be on Saturday, December 4, 1993. The same room will be available for the classes and for the examination: A109 of the UWSP Science Building.

Respectfully submitted: Joe Larson,  
N9JW, CWRA Club Secretary



## Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

AUGUST 7, 1993

The meeting was called to order at 7:34 p.m. by Vice-President Gary, N9-MGH. The minutes from the July meeting were approved as printed in *Badger State Smoke Signals*, with a couple callsign corrections.

Due to new work commitments, Secretary Arne, KA9ZPY, was unable to attend the meeting. The minutes for this meeting were being taken by Treasurer Dave, AA9HL.

The treasurer's report was read and approved. The balance is \$558.20.

The first order of business was to elect a president to fill the vacancy due to a job transfer for Dick, W5ONL, who was transferred to Akron, Ohio. Our loss is their gain for sure. Dick will certainly be missed. The new president is Gary, N9-MGH, formerly the vice-president. We then held elections for vice president. The winner, who was unopposed, is Paul, N9RGW. Congratulations to both of you.

Bill, W9OVZ, pleaded with the members to submit their profile sheets to him so he has something to send in to *Badger State Smoke Signals*. Bill accepted the job of writing the articles and he does an outstanding job. Let's make a better effort to see that he has something to submit every month. This month there will not be an article, as no one has sent him a profile sheet.

Bruce, K9RRS, reported on the packet user group meeting held on August 2. About 25 people attended. Pictures were taken and submitted to BSSS.

Hamfest plans were brought up to date as August 14 rapidly approaches. More volunteers will be needed. It was decided that 146.52 simplex would be the frequency we will use while setting up and during the hamfest. Talk-in is on 147.27.

Gene, WB9ZKY, attended the Peotone Hamfest, and wrestled some 11 free tickets to the Tri-County Hamfest in Crystal Lake, Illinois, on August 22. These will be given out as door prizes at the Racine Hamfest, Nice work, Gene!

South Hills Country Club was mentioned as a possible Field Day site for 1994. We would be welcome there and, after checking out the site, it appears ideal. Dave, WB9USI, also thought it would be good to have Field Day coincide with a Red Cross disaster preparedness exhibit. More will follow on this.

## HAM CALENDAR

Courtesy Racine Megacycle Club

Sep	4	.....	Testing at Red Cross
Sep	4	.....	Fox Hunt
Sep	6	.....	Packet Group
Sep	12	.....	Hamfest at Joliet
Sep	13	.....	Megacycle Meeting
Sep	17	.....	Fox Hunt
Sep	18	.....	Hamfest
Sep	19	.....	at Peoria
Sep	25	.....	Hamfest
Sep	26	.....	at Grays Lake

Oct	2	.....	Testing at Red Cross
Oct	4	.....	Packet Group
Oct	10	.....	Hamfest at Waukesha
Oct	11	.....	Megacycle Meeting
Oct	15	.....	Fox Hunt
Oct	26	.....	Lakeshore Club

Nov	1	.....	Packet Group
Nov	6	.....	Testing at Red Cross
Nov	7	.....	Hamfest at Kaukauna
Nov	8	.....	Megacycle Meeting
Nov	12	.....	Fox Hunt
Nov	27	.....	Fox Hunt

Dec	4	.....	Testing at Red Cross
Dec	6	.....	Packet Group
Dec	10	.....	Fox Hunt
Dec	13	.....	Megacycle Meeting

Jan	9	.....	Hamfest at Waukesha
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Feb	22	.....	Hamfest at Eau Claire
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Apr	10	.....	Hamfest at Madison
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The QCWA picnic will be held August 22 at the home of Larry and Wendy McCalvey, 5400 Six Mile Road. There will be plenty of activities, including horseback riding, fishing, boating, jarts, bocceball and, of course.... foood.

Dan, KA9OIL, reported on the next fox hunt, which will be on Friday, August 20. A starting point has yet to be determined.

The winner (?) of the goodie box was Lloyd, WB9RGO.

The meeting was adjourned, and several members went to Reflections Restaurant for snacks and more conversation.

Respectfully submitted:  
Dave, AA9HL

## Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The August 18, 1993 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 8:43 p.m. by Bob Sauvan, WT9Q.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT, gave the treasurer's report.

The meeting was proceeded by a fox hunt. Tentative results were the team of Duane Grotophorst, KA9HKL, and John Baseman, N9PQP; Jim Romelfanger, K9ZZ, Steve, N9UDO and Bill, KA9QFJ; Don Holcomb, WB4FEO, and Ellen Holcomb; Mark Snyder, N0MVV, and Donna Snyder, (call sign pending); and Art Kleefisch, W9WSS and Harry Westlund, K9EHJ. Known to be last were Tom Harrison, N9PQJ, and Pete Sweeney, WD9JIB. They did make it back to the meeting before the meeting was adjourned. Bill Klinkner will announce the final results after factoring in the mileage. The foxes were Jack Kirner, N9LKZ, Bob Sauvan, WT9Q, and a reluctant and hesitant Raymond Matlosz, N9MLZ, who actually monitors more than he talks.

### OLD BUSINESS

The owner of the lawn chair left at the Field Day site claimed same. Official results of the contest are not yet available.

### NEW BUSINESS

Harry Westlund, K9EHJ, announced that he will be leaving Wisconsin to a new residence in Illinois. He plans on selling some of his equipment prior to moving. Club members wished him well and thanked him for the time he has devoted to club activities.

Mark Snyder, N0MVV, asked the

members present for their input on where to have the Christmas party. Members voted to have the party in a local restaurant.

Nominations and elections for new officers will be one of the agenda items for the next meeting.

The Buck Night winner was the absent Harold Hultstrum, N9MMG.

The meeting was adjourned at 9:15 p.m.

Respectfully submitted:

Raymond J. Matlosz, N9MLZ, Secretary

The following members and guests were present:

Raymond Matlosz, N9MLZ	Reedsburg
Bill Klinkner, N9KXX	Sauk City
Arthur Kleefisch, W9WSS	Baraboo
Thomas Harrison, N9PQJ	Reedsburg
Harry Mayland, K9FFT	Baraboo
Jim Decker, WB9UQT	Baraboo
Jim Paul, N9LKY	Merrimac
Ken Johnson, K9DZG	Mazomanie
L.J. Hemmer, WB9TFJ	Baraboo
Rohbert Hemmer, N9LKK	Baraboo
Peter Sweeney, WD9JIB	Reedsburg
Robert Sauvan, WT9Q	Sauk City
Mark Snyder, N0MVV	North Freedom
Donna Snyder, (call pending)	North Freedom
Harry Westlund, K9EHJ	Baraboo
Duane Grotophorst, KA9HKL	Loganville
John Baeseman, N9PQP	Baraboo
Don Holcomb, WB4FEO	Baraboo
Ellen Holcomb	Baraboo
Jim Romelfanger, K9ZZ	Baraboo
Steve Schulze, N9UDO	Baraboo
Bill Hommell, KA9QFJ	Prairie du Sac
Joe Rowland, N9PRF	Portage
George Gabay, N9QQR	New Lisbon

## Northern Wisconsin Radio Club

- Since 1923 -



Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings NWRC members and guests.

The last meeting of NWRC was held on August 24 at the Peppermill Restaurant in Menomonie. Officers present were N9KIP, Erik, AA9GB, Cory, and KA9-OMC, Steve.

Club balance at the time of meeting was \$103.23.

The business discussion followed with a request from Erik, N9KIP, for an election committee to be formed to research volunteers for the election at the end of the year.

I (KA9OMC) informed the group that the food stand at Lammer's was cancelled. Thanks extended to all who volunteered.

N9HME, Dan, had investigated some further media sources for the club and mentioned that the "Trading Post" offered two plans we could use. The club is currently using the "Reminder" bulletin board as a source of informing the area of meetings and activities.

Members extend a hearty welcome to new member N9TUX, Jim Hoover, from Ridgeland. Jim works as a pilot for Delta, and is new to the hobby.

The club regrets the passing of longtime members W9ZBY, Sherwin "Bud" Palmer from Cumberland, and W9FYI, Harry Jensen, of Eau Claire.

Area amateurs receiving scholarships include N9KBB, Jonathan Kolbrak, from Chippewa Falls, and N9GQU, both sponsored by the South Milwaukee Amateur Radio Club. Scholarship for WO9U, Timothy Czerwinka, was sponsored by the West Allis Radio Amateur Club, and KE9RW, Steven Kraft, from Menomonie, was sponsored again by QCWA.

Thanks to all who participated in "Amateur Radio Week" in Menomonie, involving Field Day activities and our picnic at Wakanda Park, that kicked off

the event. There were 24 people attending our picnic, and KE9CS, Ken, set up a transceiver for HF so some new hams could get introduced to those privileges.

Field Day had a few hitches with vehicle and generator problems. While all this is extremely frustrating at the time of activity, it can usually be quite humorous when reflected on some time later. Thanks to Erik, N9KIP, and Cory, AA9GB, for sticking with it.

Area amateurs WB9WKO, KA9-WZP, KA9OMC, N9GQU, NX9F and N8NMC worked the Boyceville Flyin Breakfast at the Cucumber Festival.

Delores Wendt (wife of W0LUY, Ernie) is working on a "Who's Who" of the Screwball Net hams. Get your pictures to Delores at 1751 28th Avenue, Co. VV, Rice Lake, WI 54868.

WA9CCB's wife Gloria passed her Technician class at the River Falls exam. Welcome to Gloria!

Following our meeting I (KA9OMC) entertained a discussion about link responsibilities. Linking is getting a lot of attention recently, and some compromising of accepted practice is being observed. Some amateurs are using "temporary repeater" setups as permanent repeater arrangements with no identification. "Temporary repeater" crossbanding, like 440 MHz in, 144 MHz out, is intended to accommodate your own communication with another system. When you leave the system for others to use without being in attendance or control, the system then becomes an auxiliary station, and can then only transmit on 222 MHz up. We must remember that identification of links and repeaters is important for the interference tracking of stations who might be interfered with. It is

Continued on page 13

## Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

The ManCoRad Club will not have regular meetings during June, July, and August.

To keep up on club news, check into

the weekly ManCoRad nets:

SUNDAYS: 10 a.m. on 146.61 MHz.  
SUNDAYS: 10:30 a.m. on 3.965 MHz.

## New Products

AEA has recently introduced the IT-1 AutoTuner, an accessory for their popular IsoLoop 10-30HF antenna. The IsoLoop is a high quality, high-efficiency antenna with a mere 35" diameter.

The IT-1 AutoTuner will automatically tune an IsoLoop in just a few seconds. When more control is necessary, there is a thumbwheel for manual tuning and fine adjustments.

The IT-1 AutoTuner features a twelve button keypad with an audible beep to

announce completion of tuning. It has eight programmable memories as well as a ten segment LED bar that monitors the tuning process and indicates the selected memory number. Memory back-up and a built-in serial interface are also included.

Suggested retail price is \$279.00. This product is available from your favorite Amateur Radio dealer, and comes with a one-year warranty.

For more information, please contact Advanced Electronic Applications, P.O. Box C2160, Lynnwood, WA 98036. Phone: (206) 774-5554. FAX: (206) 775-2340.

- AEA news release

Participating Clubs: It's our pleasure to serve your members!  
Thank you from the Badger State Smoke Signals staff.



## Real Packet DX

By Steve Loeffler, WB9ZRE  
Editor, *The Wisconsin Packeteer*  
123 West Oshkosh Street  
Ripon, WI 54971

If you are looking for a challenge at "bagging" an accessible DX station, there is an active one that is within a few hundred miles of your QTH. Not many hams have logged this one, in fact, some of the newer packet ops probably don't know about it.

With a little skill and luck, you can log onto the BBS onboard the MIR spacecraft and leave a message to the cosmonauts. The skill is in knowing when the bird is above your horizon, so that you can access it. The luck is that the BBS is online when it passes over your QTH.

If you think you need a "California kilowatt" station to reach MIR, think again. A very modest station will do the job nicely. 25 watts or less works fine. No special antennas either - unless you consider a Ringo Ranger in that category. Even a quarter-wave mobile whip works well.

As for the skill, it helps to know when MIR will pass overhead and a computer tracking program is a great help. You can download the Keplerian data from any packet BBS. This data is updated on a bi-monthly basis, for up to the second accuracy.

For luck, MIR's BBS is not always online and a radio tuned to its operating frequency will let you know when the BBS is active - you can't miss hearing the packet transmissions!

It sure is a great feeling to see a confirmed message (#0000 SAVED) response from MIR. With a 10 minute "window" (maximum) per orbital pass, quick action is a must - many passes are less than 3 minutes as MIR is hundreds of miles east or west of your QTH.

Just remember, if you can hear it, you can work it. For those of you interested in working a space station in orbit, the frequency for MIR is 145.550 FM simplex. Good luck. □

*BSSS editor's note: I began working MIR with an IC2-AT and a Ringo about four years ago. I had fair luck with that one-watt ERP arrangement, but that was four years ago. The popularity of attempting packet QSOs with MIR's BBS or with the crew itself has made the competition from USA earth stations so severe that it has become difficult - at best - to even get attention from MIR's packet station, even with a better rig here at K9ZZ. I can often hear a number of stations near here trying as I do; they weren't there several years ago. So, if you try to work MIR, you will need as much persistence (or more) than a "conventional" DXer trying to work one of the ten most needed countries right down here on earth. Have fun!* □

### Northern Wisconsin Radio Club

Continued from page 12

not just regimentation. QST, August issue, page 88 and 89 are excellent references to questions you may have. 2-meter repeaters using 2-meter frequencies as the link (frequencies that are the input of repeaters) are also in fault under the same qualifiers as listed above.

Next meeting of the NWRC is September 28 at the Peppermill Restaurant, T-Bird Mall, Menomonie. Meeting is at 7:30 p.m., and K0DL, Don, will talk on direction finding.

NWRC Secretary/Treasurer  
Steve Hart, KA9OMC

## From the Editor

• This issue of *Badger State Smoke Signals* is, I'm sorry to report, late again. The fault isn't Ken's, not our treasurer's, and not mine. It is the fault of another flu-like illness which began back in early July, and which haunted me in various, nasty little ways until last week. Now, last week would usually be the time I'd be finishing my part of each issue and getting it ready to shag on down the hill to Wisconsin Web and the ever-patient Garrett Graham in Merrimac to shoot and run. Last week was the time the bug I had chose to be *really* active. My temp went way up and I still feel as though I've been hit by a double-deck bus. I did the best I could under extremely trying circumstances, but we are late to press.

• On a more positive note, the Baraboo-based Yellow Thunder Amateur Radio Club had a great fox hunt a few weeks ago. At least that damnable flu bug let me take part in that hunt. My team consisted of Steve Schultz, N9ODU, and Bill Hommel, KA9QFJ, both of Baraboo. The neat part of this hunt was there were *three* hidden transmitters to find. The results are not apparently final yet; it seems both time and mileage are being factored. We found foxes one and three first, but got snookered by fox number 2. That was due primarily to the fact I never noticed that the attenuator we used had a *built-in* 10 dB

## FCC CALL SIGN UPDATE

The following is a list of the FCC's most recently issued call signs as of August 1.

DISTRICT	GROUP A EXTRA	GROUP B ADVANCED	GROUP C TECH/GEN	GROUP D NOVICE
0	AA0OI	KG0HJ	N0XYO	KB0LKT
1	AA1HA	KD1QE	N1PUO	KL1BCO
2	AA2OW	KF2QK	N2VVX	KB2QNJ
3	AA3FE	KE3JJ	N3PTK	KB3AXR
4	AD4HV	KQ4ZF	++	KE4EAC
5	AB5OQ	KJ5OP	++	KC5BYC
6	AB6VF	KN6OS	++	KD6ZMC
7	AA7XP	KI7PL	++	KB7WKF
8	AA8LZ	KG8CS	N8ZUK	KB8PDB
9	AA9HT	KF9QO	N9UIZ	KB9ITU
HAWAII	++	AH6MY	WH6NX	WH6CQT
ALASKA	++	AL7PE	WL7LZ	WL7CHF
VIRGIN IS.	WP2A	KP2CC	KP2GO	WP2AHU
PUERTO RICO	++	KP4VN	++	WP4MHO

++ All call signs in this group have been issued in this area.

- ARRL Bulletin 95, 8/27/93

loss, even with all attenuation switched out of the line. We went on a short (time-wise) side trip for a bearing, but that took about four extra miles, not to mention a bone-jarring bump when I hit a sawed-off slab of asphalt I didn't see quite soon enough to slow down. There was only time enough to yell, "HANG ON!"

All three foxes were using hand-helds. It was a great hunt. Kudos to YTARC for a hunt well done, and to all seven or eight

teams who hunted. See the YTARC column for more information.

• Thanks to all the volunteer authors, cartoonists, photographers and others who have shared their work with our readers. There are others doing interesting things in Amateur Radio, too. How about letting us publish your story? 73 for now.

Jim Romelfanger  
K9ZZ

## FCARC HAM & COMPUTER FEST '93

SUNDAY, NOVEMBER 7, 1993

STARLITE CLUB KAUKAUNA, WI

SPONSORED BY: FOX CITIES AMATEUR RADIO CLUB

AMATEUR RADIO, COMPUTERS, SWAP TABLES, VE TESTING  
AND MUCH, MUCH MORE.

Do to a sell-out in 92, this HAM of a FEST is expanding in  
93, to better suit vendors and FEST goers. DON'T MISS OUT!

Tables \$5.00

Admission \$3.00

For more information on tables locations available, table  
reservations or special rates on local lodging write to:

General Information  
Dan Vanevenhoven  
N9LVS  
2410 E. Newberry  
Appleton, WI 54915

VE Testing  
Larry Siebers  
KD9IA  
(414) 788-3823

### FCARC HAMFEST '93

c/o Dan Vanevenhoven N9LVS  
2410 E. Newberry  
Appleton, WI 54915

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

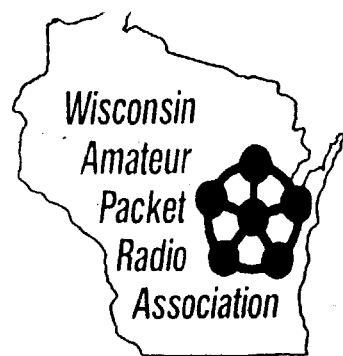
Phone \_\_\_\_\_

I would like \_\_\_\_\_ table(s) at \$5.00 each.

Total due is \$ \_\_\_\_\_.

For specific needs on table(s) (power, etc.), call Dan Vanevenhoven N9LVS  
at (414) 739-5101.





# THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, W9LLT  
921 8th Ave., Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

## WANA MEETING MINUTES

Wisota Amateur Networking Association  
July 31, 1993

WANA is an association of digital amateur radio operators in west-central Wisconsin and southeast Minnesota. It represents two LAN's and has established Nodes for both messages outside the area and within the area. For information, contact any member of WANA (listed below) at W9LZQ BBS or KA9ZZK BBS.

The quarterly meeting of the Wisota Amateur Networking Association was called to order Saturday, July 31, 1993 at 10:00 a.m. at the University of Wisconsin-La Crosse by Chairman Dwight-WB9GWW.

Those in attendance were: (\* = WANA member 93-94)

*WU9N-Feroz	*KA9ZZK-Rich	*W9LZQ-Kent
*WB9GWW-Dwight	*AA9AW-Walt	*W9HWQ-Duane
*N9LZK-Bob	*KA9FOX-Scott	*W0JDC-Art
*K0JYB-Dick	KV9U Rick	*WF9T-R.B.
N9GJJ-Eugene		

After a round of introductions, the reading of the minutes and the treasurer's report were both approved as read.

Kent-W9LZQ, gave a review of the WAPR meeting. Kent said the major topic was DX cluster. He also mentioned the need for help with their 6 meter backbone and to contact Joel-N9MLD if you were interested. Another item mentioned was the moving of Wausau node from 145.01 to 145.63. He also mentioned his concern that there will not be a node on 145.01 in the Wausau area.

## Old Business

Kent-W9LZQ, gave an update on the Nodine to Lodi backbone. He said there were a couple of sights but none had been decided on as of yet. He asked if anyone could help in locating a sight near Hillsboro or surrounding areas. He hoped that we could have it up by this fall.

## New Business

Feroz-WU9N, mentioned that he has a contact that has some hardline that can be purchased for the price of the shipping. Kent-W9LZQ, made a motion to explore it and to ship it if it could be done for around \$100. Duane-W9HWQ, seconded it and the motion carried.

Walt-AA9AW, said that we are using a borrowed power supply at LSE2 and that we should replace it. After some discussion, Feroz-WU9N, made a motion that we purchase a supply for \$45. Walt-AA9AW, seconded it and the motion carried.

Kent-W9LZQ, brought to our attention that Rich-KA9ZZK, was going to put up a node in Tomah on 145.53. Rich said the new node will be on a new tower next spring to assist outlying hams. He said he would like WANA's assistance in the purchase of the antennas. After some discussion, Kent-W9LZQ, made a motion that WANA commit \$200 to support the Tomah node. Feroz-WU9N seconded it and the motion carried.

Kent-W9LZQ, mentioned the feedline ties on the county tower were decaying and needed replacement. Kent said the feedline also needs to be replaced. No action was taken due to a skywarn call-up in which several had to leave.

The meeting was adjourned at 11:20 a.m.  
Respectfully submitted by Bob-N9LZK,  
WANA Secretary/Treasurer

## Reply Command Defective

REPLY is a user command in the MSYS-BBS that is designed to eliminate typing in the "CALL @ BBS" information on a reply message. In theory, this command, followed by the message number of the message a user is replying to, will automatically address the reply based on the header information contained in the original message, eliminating the need to use the "S" command.

For the past several weeks, the popularity of this command has increased. Unfortunately, a "bug" is causing an increasing amount of messages originated using this command to be improperly addressed and delivered to the wrong destinations.

The problem appears to manifest whenever any SYSOP has had to personally "handle" the original message. SYSOP intervention includes correcting improper addressing, prohibitive words, routing designators, etc. The result is that any REPLY to the original message will be routed to the SYSOP who made a change in the message and not the originator of the original message.

Bottom Line: DO NOT USE THE REPLY command if you want to insure that your message will be properly addressed to the intended recipient.

## KAM Packet Modifications

If you are using the ST on the Kantronics KAM, place a 100K resistor in series with each scope lead. There is a potential damage to the audio filter chips if these wires come in contact with ground. This problem and solution will appear in Kantronics's new manuals.

The KAM, when connected or trying to connect, will start to transmit on top of another signal at times. This happens when a received signal appears just before the KAM wants to transmit. It is visible by looking at the mark/space display. (After a quiet period a received signal will light up the bargraph display and the KAM will transmit on top of it).

Looking at the circuit diagram, I noticed a 1 uF capacitor (c 29) in the carrier detect circuit. It seems to slow down the detect function more than desired. Changing the capacitor to .1 uF made the carrier detect work more the way I expect it to. It is easy to get at. Somewhere in the middle of the board. There is a layout in the manual. I haven't notice any side effects, however, I haven't try it in any of the other modes.

Juan - EA5SP.EA5FDS.EAV.ESP.EU.WW

## Virus Infection from Monitoring Color Pictures?

### True or False:

A virus (ansi) can be 'caught' just by monitoring a packet, or monitoring a CQ or beacon?

False!

A file full of ansi codes needs to be displayed by using the TYPE command. If some clown has indeed put in codes to modify what each key does, and you use the TYPE command, then it is possible that your computer could be infected. But, just monitoring a packet will not cause your keys to be reassigned. The recent hacker magazine that published the article on ANSI BOMBS explains this quite well. If

you're worried, better just be careful, or don't use strange COLOR pics. Or you could reboot the computer after viewing any ANSI graphic. Beware yes, but don't worry about monitoring packets.

Bill - K7EA @ WB7ULH.#SLC.UT

## Waukesha Meeting Pre-announcement

The Waukesha Hamfest will be held on January 9, 1994. That is Sunday. At that event Wisconsin Packet Radio Association will meet at 10:30 AM. The agenda will be announced after arrangements are completed. Suggestions for the agenda are welcome. please contact Bill Jablonske W9NNS @ W9NNS.#CFL.WI or 715-723-4088. Watch for details later this Fall. Happy Packeting!

## WAPR Membership List

CALL	NAME	CITY	STATE
AA9AW	Walter Altus	Onalaska	WI
K9EAG	Dennis Spranger	Wittenburg	WI
K9CBU	James Lopas	Menasha	WI
K9DHR	Adrian Van Der Burgt	Kaukauna	WI
K9GCF	Leon Rediske	Franklin	WI
K9MLD	Joel Eschmann	Hartford	WI
K9OQO	James Sheetz	Appleton	WI
K9PIQ	Thomas Rehm	Mequon	WI
K9RRS	Bruce Zabler	Racine	WI*
K9TWE	Dan Lagerman	Glendale	WI
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KB9DFE	Steven Miller	Spooner	WI
KB9DMV	Timothy Mohr	Kenosha	WI
KB9GPJ	Guy Boucher	Marshfield	WI
KF9QD	Nels Friis	Milwaukee	WI
N9GDY	Harry Hartmann	Oshkosh	WI
N9GNQ	Charles Chenoweth	Milwaukee	WI
N9IDH	Jim Clark	Waukesha	WI
N9KUD	Jim Brinza	Cudahy	WI
N9LLT	Ted Heilmann	Grafton	WI
N9LOH	Steven Erskine	Elkhorn	WI
N9LXP	David Dropp	Milwaukee	WI
N9NTB	Duane Brophy	Sun Prairie	WI
N9PIW	Richard Weinberger	N.Fond Du Lac	WI
N9PMR	Richard Waedekin	Mequon	WI
N9PPX	Chris Wineinger	West Allis	WI
N9QXG	Terry Kortness	Eau Claire	WI
N9RSU	Leroy Dick, Sr.	Eau Claire	WI
N9SBA	Gary Bares	Fredonia	WI
NX9K	Duane Brummel	Brooklyn	WI
W0JDC	Aurthur Osborn	LaCrescent	MN
W9BTN	Sandy Wirth	Cedarburg	WI
W9FBC	Maurice Mead	Neenah	WI
W9HR	Emmet Algiers	Kenosha	WI
W9IHW	Gustave Bonow	Port Edwards	WI
W9LZQ	Kent Helman	Onalaska	WI
W9MPP	Michael Persson	Chetek	WI
W9NJY	Andy Catanzaro	Wauwatosa	WI
W9NNS	Fr. Bill Jablonske	Chippewa Falls	WI
W9PHF	Ray Greisinger	Green Bay	WI
W9QMD	Fred Eltzsch	Belgium	WI
W9YCV	Lester Peterson	Greenfield	WI
W9ZBD	William Schroeder	Rhineland	WI
W9ZGS	Verne Buland	Grayslake	IL
WA9JOB	Nels Harvey	Mequon	WI
WA9JTX	James Opdyke	Beloit	WI
WA9KFR	Walter Stasiowski	Port Washington	WI
WA9TOZ	Charles Skooglum	Lodi	WI
WB9BVB	Larry Puza	Jackson	WI



WB9GTX Jack Douville	Sheboygan	WI
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WB9ROR Stan Kaplan	Mequon	WI
WB9SMM John Leekley	Menomonee Falls	WI
WB9TYT Dan Bolander	Milwaukee	WI
WB9UQO Robert Warner	Lodi	WI
WB9ZHQ Alan Gudbaur	Racine	WI
WB9ZRE Steve Loeffler	Ripon	WI
WD9ESU Larry Shields	Lodi	WI
WD9HLC James Fulton	Wis. Rapids	WI
WK9N James Noonan III	Milwaukee	WI
WO9U Tim Czerwonka	Madison	WI

\* = denotes membership thru 7/95

Membership dues are \$15.00 for the membership period. Membership runs from July 1 thru June 30 each year. A subscription to Badger State Smoke Signals is included and runs concurrently with your membership. Please note that dues are the same with or without Smoke Signals and all memberships expire on June 30th. each year and should be renewed before June 30th. so that your subscription to Smoke Signals doesn't lapse. Also, dues are not pro-rated. That means that if you join in June, July, October, or even in May, dues are still \$15.00 and your membership needs to be renewed by June 30th.. So, if you're thinking of joining, sooner is really better than later.

Thanks, Ted Heilmann - WAPR Treasurer

#### STATE PACKET MAP

If anyone is interested in a CAD print out of the Packet network in the state of Wisconsin please send an SASE to:

Joel Eschmann K9MLD  
6964 Meadowdale Dr.  
Hartford, Wisc. 53027

The map is 8 1/2 x 11 inches. Expect it to be folded so plan accordingly.

Regards Joel K9MLD

#### MILWAUKEE PACKET MEETING

WINE & PUG (WI)sconsin (N)ode (E)nthusiasts & (P)acket (U)sers (G)roup

Will be having a meeting on: Saturday, August 21 8:00pm-11:00pm

The topic will be an open floor for discussion. We will discuss various topics regarding the packet radio hobby.

There will be snacks and beverages, software, and various documentation available for those who attend.

PACKET MEETING: Saturday, August 21 8:00pm-11:00pm 7600 West Layton Ave. Greenfield, WI. (Near the Southridge Shopping Center in Milwaukee)

Snacks, beverages, software, and documentation available.

If any questions feel free to contact me anytime voice at (414)-643-1555. Thanks and hope to see you there!

#### THE TEST POINT

(continued from page 4)

directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

#### TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

#### STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

KAUKAUNA, WI - SWAPFEST  
MANITOWOC, WI, LAKESHORE HAMFEST  
RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST  
STEVENS POINT, WI - CWRA SWAPFEST  
WAUKESHA, WI - KMRA SWAPFEST  
WAUKESHA, WI - MIDWINIER SWAPFEST

See the Swapfest column for additional information and contact persons.

#### DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Nov. 20 in 1993.

Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Mike Jozefowicz, NSOU, 2735 Hickory Hill, Dubuque, IA 52001. Or call Mike at 319-582-8563. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Arthur A. Evans, KA9KLZ  
213 N Jefferson St.  
Cuba City, WI 53807-1558  
608-744-2704

#### APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team.  
Contact: Larry Siebers, (414) 788-3823

#### MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

#### RIVER FALLS, WI

Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

#### LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (Great Lakes ARC VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HJZ, (815) 987-6754.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.



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FOR SALE: Conset GSB-201 linear amplifier. 80-10 meter 4 8//AS 1500 Watts. Good condition. Contact: Jerry Basso, W9JIF, 504 Gehres Ct., Oshkosh, WI 54901.

FOR SALE: Colorful United States Stamps. 100 all different. \$1.00 postpaid. Richard Regent, K9GDF, 5003 South 26th St., Milwaukee, WI 53221.

I don't want to brag, but here it is September and I've kept every one of my New Year's resolutions. I've kept them in a manila folder in the back of my desk.

How's that again?...Sign in a menswear show window...Wonderful bargains in shirts for men with 16 and 17 necks.

Overheard on the public-address system at a supermarket in would the person with a leaky bag of sugar please stop your shopping cart where you are so that our custodian can catch up to you."

In a HURRY, I dashed through the grocery store, selected my ten items and looked for an express lane. Rushing to one clerk, I inquired, "can you check me out please?" He turned and looked me in the eye, then glanced down and back up again. "Not bad," he said.

A hundred times every day, I remind myself that my inner and outer life are based on the labors of other men, living and dead, and that I must exert myself in order to give in the same measure as I have received. By Albert Einstein.

An expert is someone call in at the last minute to share the blame.

The great thing in this world is not so much where we stand as in what direction we are moving. Oliver Wendell Holmes, sr.

Trust yourself. You know more than you think you do. Benjamin Spock MD.

Three vampires went into a saloon and bellied up to the bar. "What'll you have?" the bartender asked. "I'll have a glass of blood," the first replied.

"I'll have a glass of blood, too, please," said the second. "I'll have a glass of plasma," said the third.

"OK, let me get this straight," the bartender said. "That'll be two bloods and a blood light?"

It is the mark of a good action that it appears inevitable in retrospect. By Robert Louis Stevenson.

Make the most of the day, by determining to spend it on two sorts of acquaintances...those by whom something may be got, and those from whom something may be learned. By Colton.

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## SWAPFESTS

 <p><b>21<sup>st</sup> ANNUAL MIDWINTER SWAPFEST</b> WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN <b>SUNDAY JANUARY 9, 1994</b></p> <p>1993 WINNERS Timothy J. Czerwinski, W09U, Chetek Robert J. Goemans, N9HAD, Madison Karen M. Schneider, N9SVA, Appleton</p> <p>Both Sponsored By THE WEST ALLIS RADIO AMATEUR CLUB, INC. P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</p>	<p><b>HAM IT UP EVERY SPRING!</b> <b>MADISON SWAPFEST</b> <b>April 10, 1994</b> Dane County Expo Center Forum Building Sponsored by MARA/WB9AER</p> <p>P.O. Box 8890 (608) 249-7579 Madison, WI 53708-8890 Answer Machine</p>	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>SWAPFEST 94</b> <b>July 9, 1994</b> (Held every July) <b>Our 25th Year!</b> American Legion Park Shepard Ave. • Oak Creek, WI</p> <p>(414) 762-3235 Extension 58 P.O. Box 102 South Milwaukee, WI 53172</p>
<p><b>Fox Cities Hamfest</b> <b>November 7, 1993</b> Starlite Club, Hwy. 55 north of Kaukauna</p> <p>HAMFEST INFO: Dan Vanevenhoven, N9LVS 2410 E. Newberry Ct. Appleton, WI 54915 414-739-5101</p> <p>EXAM INFO: Larry Siebers, KD9IA 414-788-3823</p>	<p><b>Lakeshore Hamfest &amp; Computer Swapfest</b> Manitowoc County Expo Intersection of Hwys 42-151 and I-43 on Cty Highway R</p> <p>For more information, call: Ron, WS9X: 414-793-4733 (Nights) Red, N9GHE: 414-684-9097</p> <p>ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204</p>	<p>Sponsored by the Peoria Area Amateur Radio Club</p> <p><b>HAMFEST AND COMPUTER FAIR</b></p> <p>Exposition Gardens Northmoor &amp; University Peoria, Illinois <b>SEPTEMBER 18 &amp; 19</b></p> <p>MANUFACTURER REPS • COMMERCIAL DEALERS HUGH FLEA MARKET of RADIO and COMPUTER GEAR FREE / HANDICAPPED PARKING - FORUMS - LOTS of PRIZES LADIES' ACTIVITY (SAT) - HAM EXAMS (SUN) - FOOD (Pork Chops) GATES OPEN 6 am - COMMERCIAL BUILDINGS OPEN 8 am - TALK IN: 146.16/76 TICKETS AT GATE \$5 : GOOD BOTH DAYS (Under 16 Free)</p> <p>For advance ticket (\$5 ea.) with two prize stubs and/or information send SASE to: Peoria Area Amateur Radio Club, P.O. Box 3508, Peoria, IL 61612-3508 or telephone answering machine 309/685-6698.</p>
<p><b>15th Annual CWRA SWAPFEST</b> UNIVERSITY CENTER, U.W. STEVENS POINT</p> <p>Info: Art Wysocki, N9BCA 715-344-2984 3356 April Lane Stevens Point, WI 54481</p>	<p><b>EAU CLAIRE AMATEUR RADIO CLUB SWAPFEST</b> Chippewa Falls Fairgrounds</p> <p>Lis Searing, N9EQR 1129 McKinley Road (715) 834-1303 Eau Claire, WI 54701</p>	<p><b>ROCKFORD HAMFEST AND COMPUTER SHOW</b> <b>Sunday, April 17, 1994</b> Rockford Metro Centre</p> <p>Write to: R.A.R.A., P.O. Box 6931, Rockford, IL 61125. For more info, call 1-815-399-6995</p>
<p>Ozaukee Radio Club <b>15TH ANNUAL RADIO AND COMPUTER SWAPFEST</b></p> <p>8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W. Willow Rd., Brown Deer, WI 53223 Swapfest sponsored by Ozaukee Radio Club 11448 N. Laguna Drive • Mequon, WI 53092</p>	<p>Kettle Moraine Radio Amateurs <b>SWAPFEST</b> <b>Sunday, October 10, 1993</b> Waukesha County Expo Center</p> <p>Info: KMRA Swapfest P.O. Box 411 Waukesha, WI 53187-0411</p>	<p>Northern Wisconsin Radio Club <b>AUCTION</b> <b>February 22, 1994 • 7:00 p.m.</b> American Legion Post 53 • 634 Water Street Eau Claire, WI</p> <p>CONTACT: Steve Hart, KA9OMC 715-665-2374 Route 1 Box 54 Knapp, WI 54749</p>

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